

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Spratt 3-32B4				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ALTAMONT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.						7. OPERATOR PHONE 713 997-5038				
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002						9. OPERATOR E-MAIL maria.gomez@epenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Butte LLC						14. SURFACE OWNER PHONE (if box 12 = 'fee') 415-531-1552				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1552 35th Avenue, San Francisco, CA 94122						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	1000 FSL 1000 FEL		SESE	32	2.0 S	4.0 W	U			
Top of Uppermost Producing Zone	1000 FSL 1000 FEL		SESE	32	2.0 S	4.0 W	U			
At Total Depth	1000 FSL 1000 FEL		SESE	32	2.0 S	4.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1000			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2200			26. PROPOSED DEPTH MD: 12800 TVD: 12800				
27. ELEVATION - GROUND LEVEL 6099			28. BOND NUMBER 400JU0708			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 800	54.5	J-55 ST&C	9.1	Class G	1000	1.15	15.8
SURF	12.25	9.625	0 - 4000	40.0	N-80 LT&C	9.5	Type V	300	3.16	11.0
							Class G	732	1.31	14.3
I1	8.75	7	0 - 10000	29.0	HCP-110 LT&C	10.6	Class G	362	1.91	12.5
							Class G	236	1.65	13.0
L1	6.125	4.5	9800 - 12800	13.8	HCP-110 LT&C	13.8	Class G	178	1.47	14.2
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Maria S. Gomez			TITLE Principal Regulatory Analyst			PHONE 713 997-5038				
SIGNATURE			DATE 03/17/2014			EMAIL maria.gomez@epenergy.com				
API NUMBER ASSIGNED 43013528890000			APPROVAL Permit Manager							

**Spratt 3-32B4
Sec. 32, T2S, R4W
DUCHESNE COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	4,850' TVD
Green River (GRTN1)	6,236' TVD
Mahogany Bench	6,633' TVD
L. Green River	8,116' TVD
Wasatch	9,916' TVD
T.D. (Permit)	12,800' TVD

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	4,850' MD / TVD
	Green River (GRTN1)	6,236' MD / TVD
	Mahogany Bench	6,633' MD / TVD
Oil	L. Green River	8,116' MD / TVD
Oil	Wasatch	9,916' MD / TVD

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 800' MD/TVD. A 4.5" by 13-3/8" Diverter Stack w/ Rotating Head from 800' MD/TVD to 4,000' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 4,000' MD/TVD to 10,000' MD/TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 10,000' MD/TVD to TD (12,800' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason Gas Monitoring 800' - TD
- B) Mud logger with gas monitor – 4,000' to TD (12,800' MD/TVD)
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

4. Proposed Casing & Cementing Program:

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. Drilling Fluids Program:

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	9.1 – 9.5
Intermediate	WBM	9.5 – 10.6
Production	WBM	10.6 – 13.8

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 4,000' MD/TVD – TD (12,800' MD/TVD)

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 12,800' TVD equals approximately 9,185 psi. This is calculated based on a 0.7176 psi/ft gradient (13.8 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,369 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,000' TVD = 8,000 psi

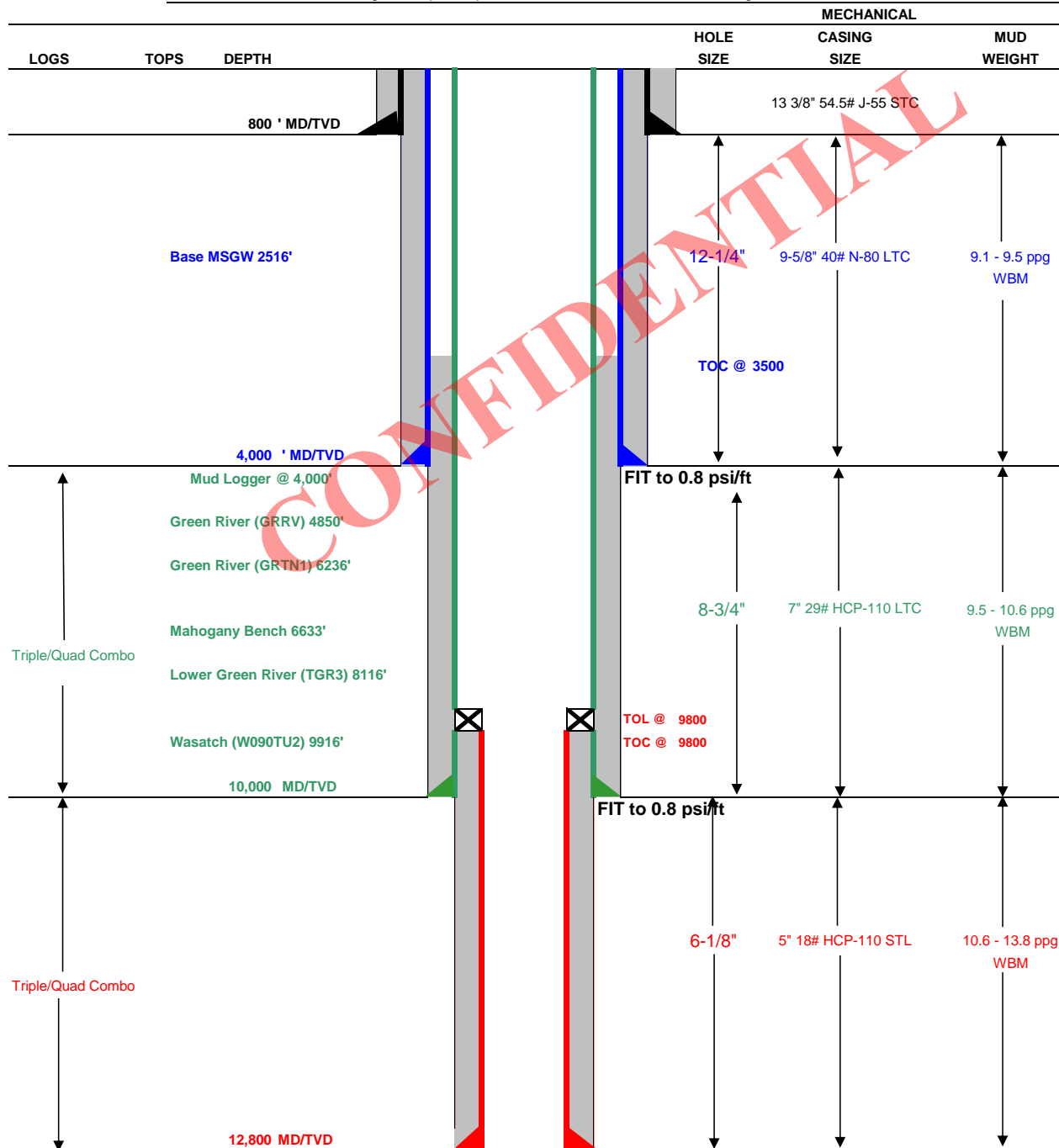
BOPE and casing design will be based on the lesser of the two MASPs which is 6,369 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



Drilling Schematic

Company Name: EP ENERGY	Date: May 12, 2014
Well Name: Spratt 3-32B4	TD: 12,800
Field, County, State: Altamont, Duchesne, Utah	AFE #: TBD
Surface Location: Sec 32 T2S R4W 1000' FSL 1000' FEL	BHL: Straight Hole
Objective Zone(s): Green River, Wasatch	Elevation: 6099.2
Rig: Precision 406	Spud (est.): TBD
BOPE Info: 4.5 x 13 3/8 Diverter System w/ rotating head from 800' to 4,000' 11 10M BOPE w/ rotating head & 5M annular from 4,000' to 10,000' 11 10M BOPE w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 10,000' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	800	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	4000	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10000	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	9800	12800	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	1000	100%	15.8 ppg	1.15
SURFACE	Lead	2,000	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	300	75%	11.0 ppg	3.16
	Tail	2,000	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.35% HR-5 + 0.3% D-Air 5000	732	50%	14.3 ppg	1.31
INTERMEDIATE	Lead	4,200	EXPANDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.7% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake	362	10%	12.5 ppg	1.91
	Tail	2,300	BONDCEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.5% HR-5	236	10%	13.0 ppg	1.65
PRODUCTION LINER		3,000	EXTENDACEM SYSTEM: Class G Cement + 0.3% Super CBL + 0.6% SCR-100 + 0.3% Halad-413 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1 + 0.1% SA-1015	178	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,100'.
LINER	Float shoe, 1 joint, float collar, 1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad Macafee 713-997-6383

MANAGER: Bob Dodd

EP ENERGY E&P COMPANY, L.P.
SPRATT 3-32B4
SECTION 32, T2S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 7.61 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY 0.8 MILES ON A PAVED ROAD TO AN INTERSECTION;

TURN LEFT AND TRAVEL NORTHEASTERLY, EASTERLY AND THEN SOUTHEASTERLY 1.14 MILES ON A GRAVEL ROAD TO THE BEGINNING OF THE PROPOSED ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS SOUTH 0.30 MILES AND THEM WEST 0.14 MILES TO THE PROPOSED LOCATION;

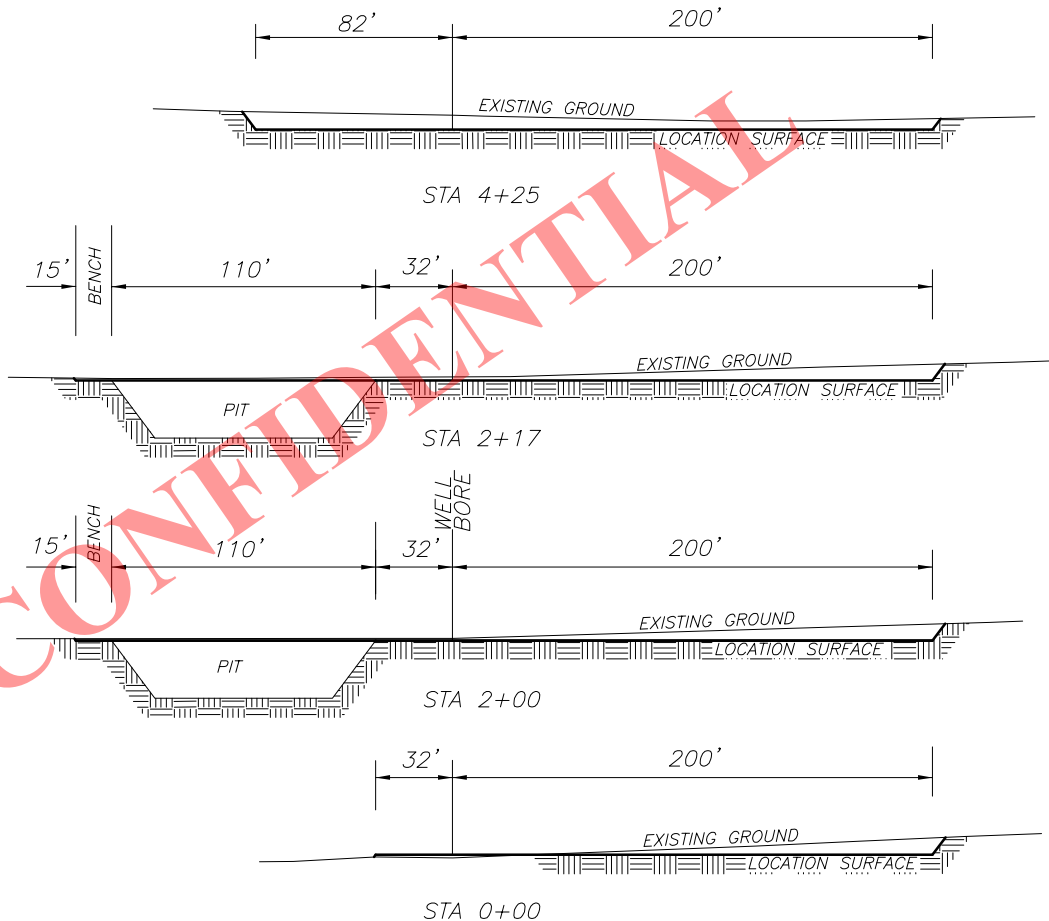
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.99 MILES.

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EP ENERGY E & P COMPANY, L.P.**FIGURE #2****LOCATION LAYOUT FOR
SPRATT 3-32B4****SECTION 32, T2S, R4W, U.S.B.&M.
1000' FSL, 1000' FEL**

X-SECTION
SCALE
1"=40'
1"=80'

NOTE: ALL CUT/FILL
SLOPES ARE 1½:1
UNLESS OTHERWISE
NOTED

APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 11,869 CU. YDS.

PIT CUT = 4572 CU. YDS.

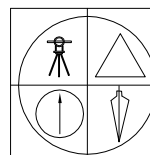
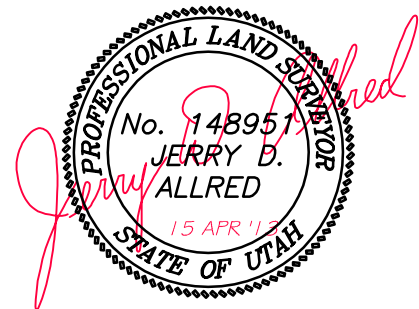
TOPSOIL STRIPPING: (6") = 2543 CU. YDS.

REMAINING LOCATION CUT = 4754 CU. YDS

TOTAL FILL = 726 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=208 CU. YDS.



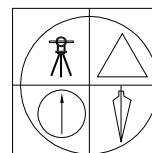
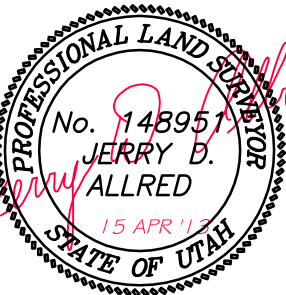
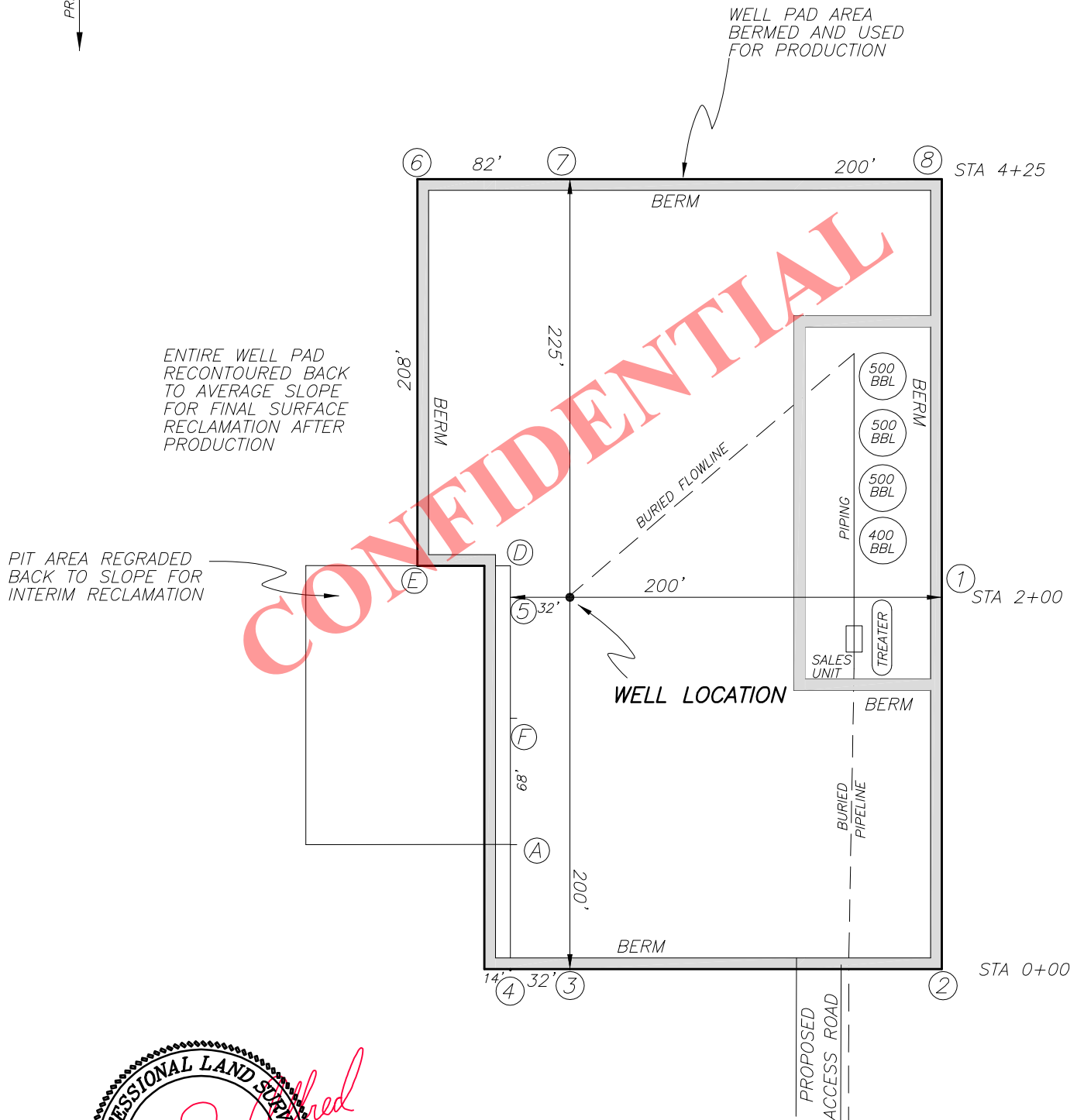
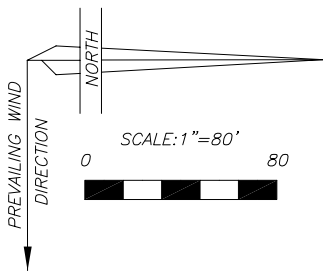
JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

15 APR 2013

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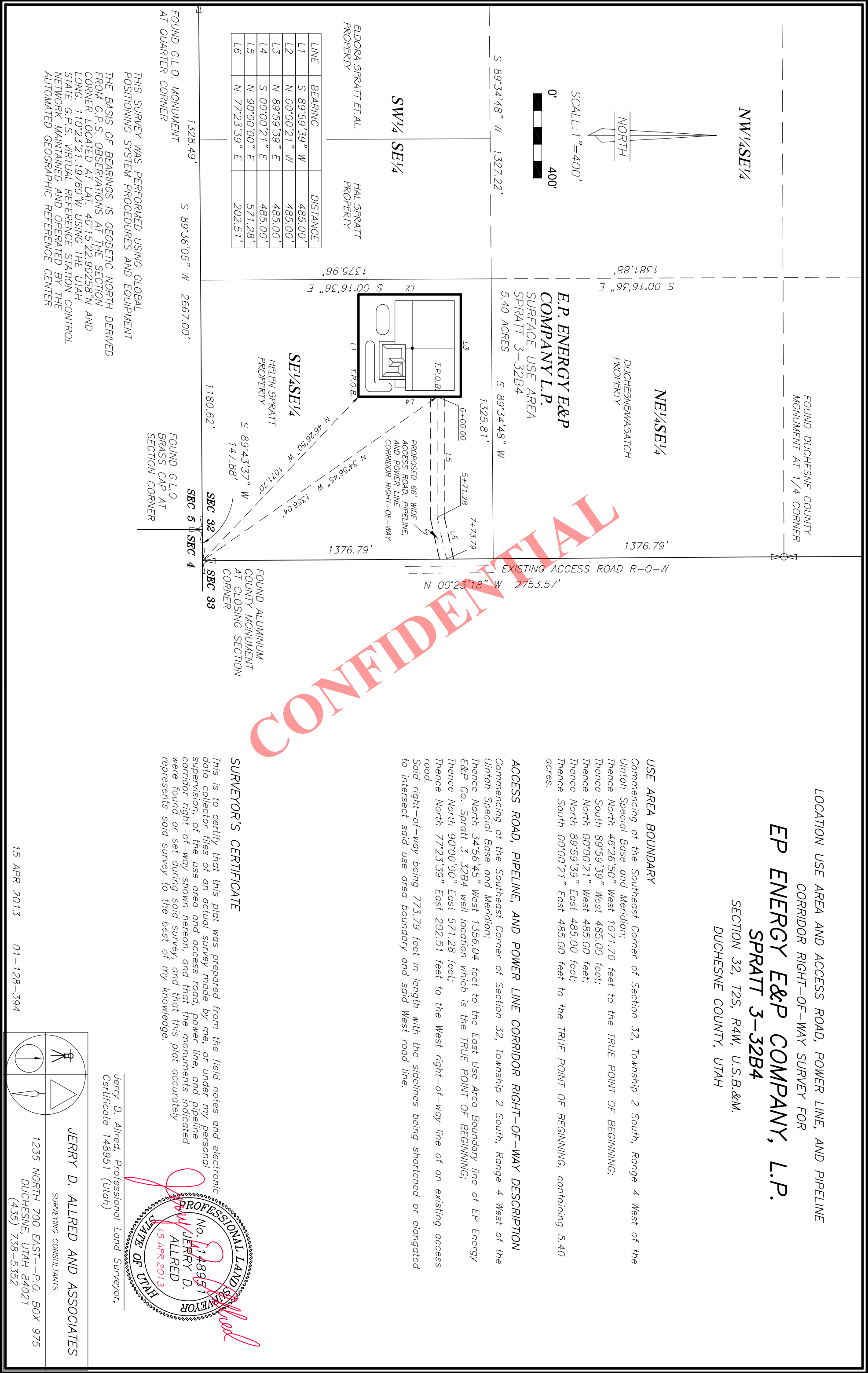
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EP ENERGY E & P COMPANY, L.P.**FIGURE #3****LOCATION LAYOUT FOR
SPRATT 3-32B4****SECTION 32, T2S, R4W, U.S.B.&M.
1000' FSL, 1000' FEL****JERRY D. ALLRED & ASSOCIATES**
SURVEYING CONSULTANTS1235 NORTH 700 EAST--P.O. BOX 975
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(435) 738-5352

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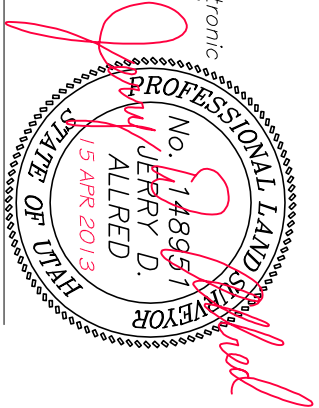
LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR
EP ENERGY E&P COMPANY, L.P.
SPRATT 3-32B4
SECTION 32, T2S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY
Commencing at the Southeast Corner of Section 32, Township 2 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 46°26'50" West 1071.70 feet to the TRUE POINT OF BEGINNING;
Thence South 89°59'39" West 485.00 feet;
Thence North 00°00'21" West 485.00 feet;
Thence North 89°59'39" East 485.00 feet;
Thence South 00°00'21" East 485.00 feet to the TRUE POINT OF BEGINNING, containing 5.40 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION
Commencing at the Southeast Corner of Section 32, Township 2 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 34°56'45" West 1356.04 feet to the East Use Area Boundary line of EP Energy E&P Co. Spratt 3-32B4 well location which is the TRUE POINT OF BEGINNING;
Thence North 90°00'00" East 571.28 feet;
Thence North 77°23'39" East 202.51 feet to the West right-of-way line of an existing access road.
Said right-of-way being 773.79 feet in length with the sidelines being shortened or elongated to intersect said use area boundary and said West road line.

SURVEYOR'S CERTIFICATE
This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

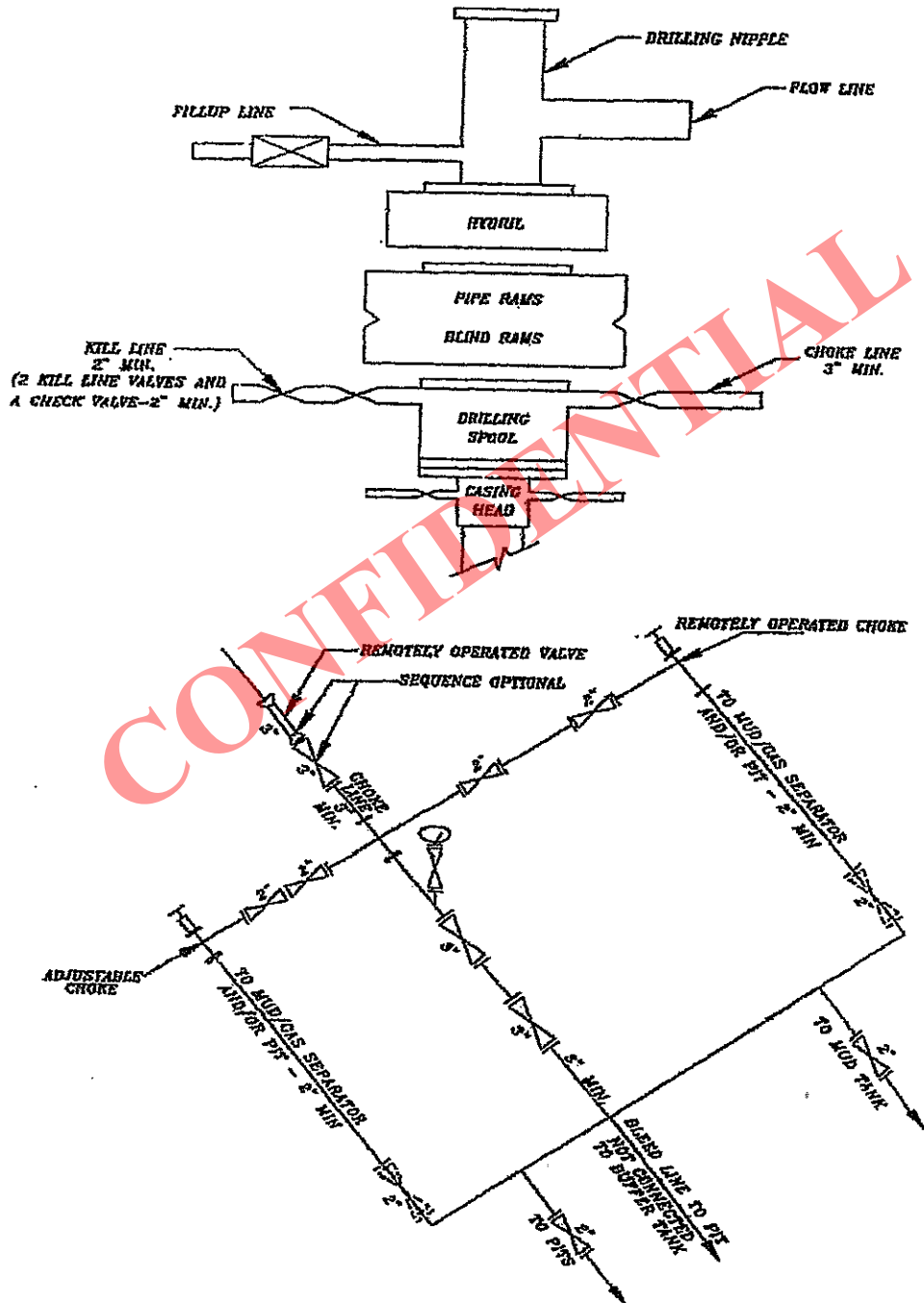
Jerry D. Allred, Professional Land Surveyor,
Certificate 148951 (Utah)



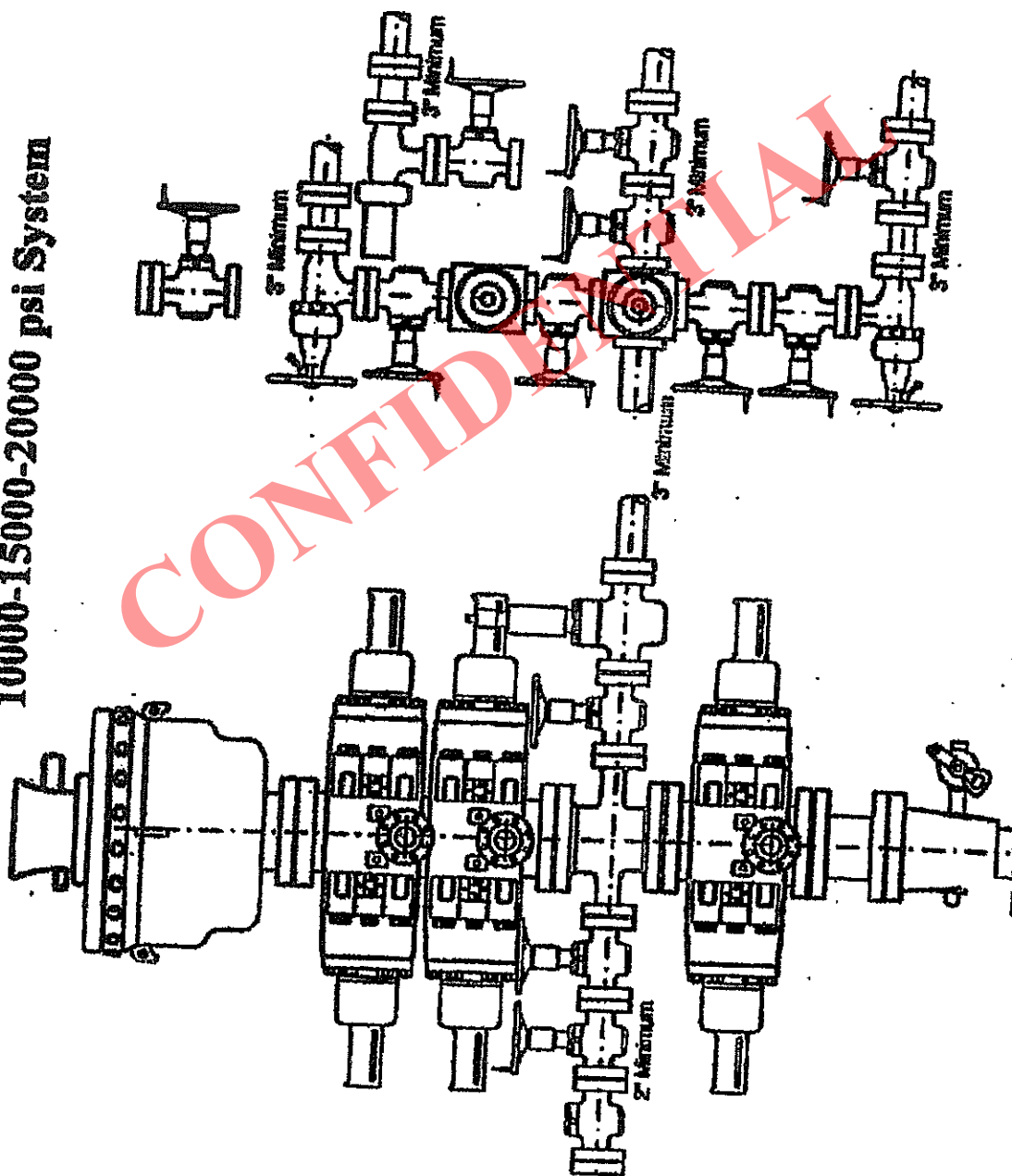
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5M BOP STACK and CHOKE MANIFOLD SYSTEM

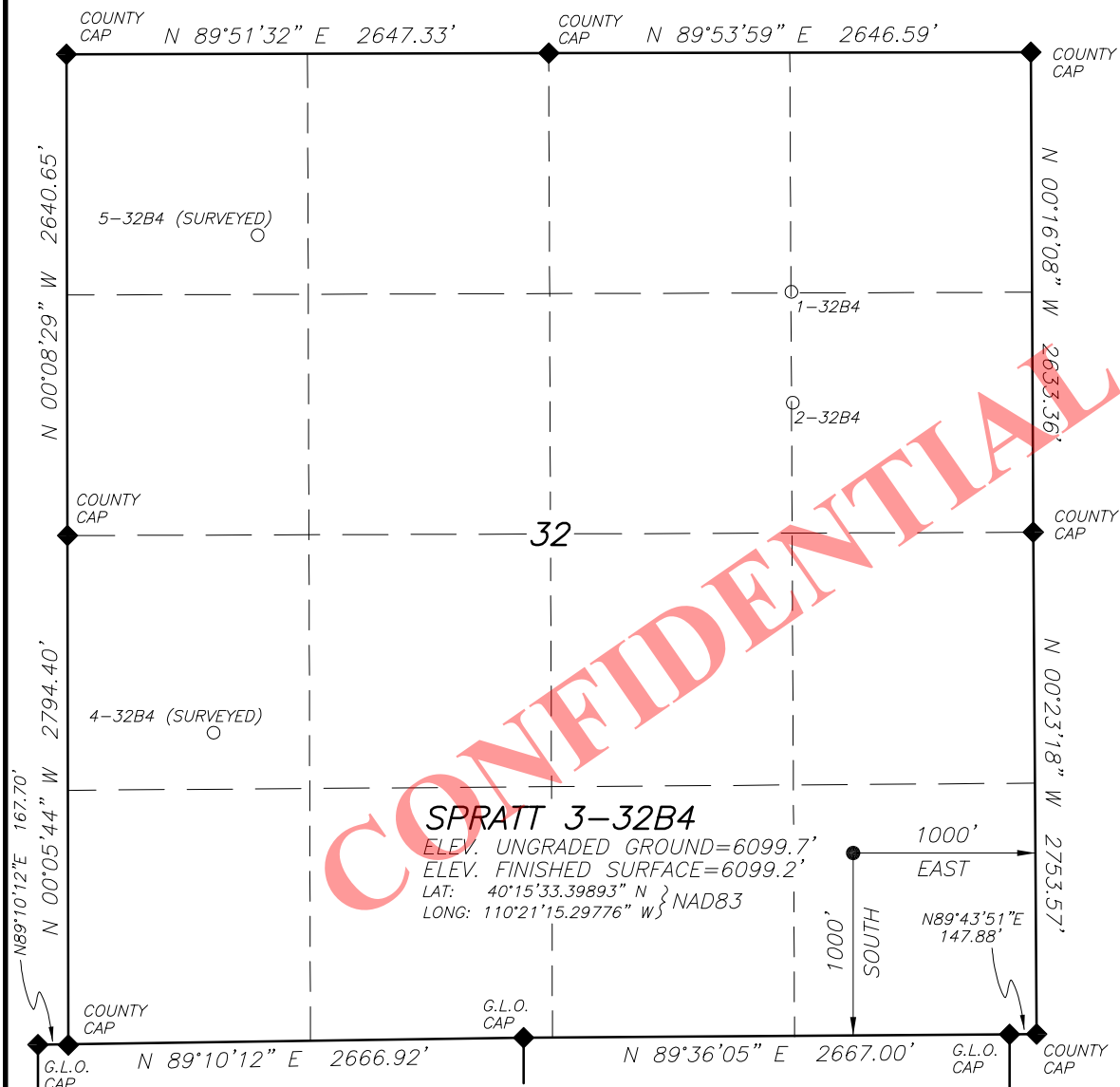


10000-15000-20000 psi System



EP ENERGY E & P COMPANY, L.P.**WELL LOCATION****SPRATT 3-32B4**

LOCATED IN THE SE¼ OF THE SE¼ OF
SECTION 32, T2S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



SCALE: 1"=1000'



NOTE:
NAD27 VALUES FOR
WELL POSITION:
LAT: 40.259321428° N
LONG: 110.353538183° W

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

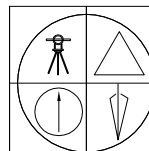
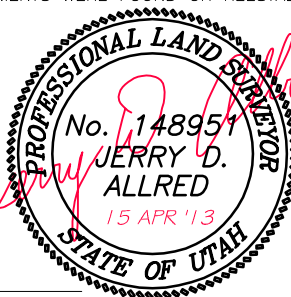
THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

JERRY D. ALLRED, PROFESSIONAL LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)

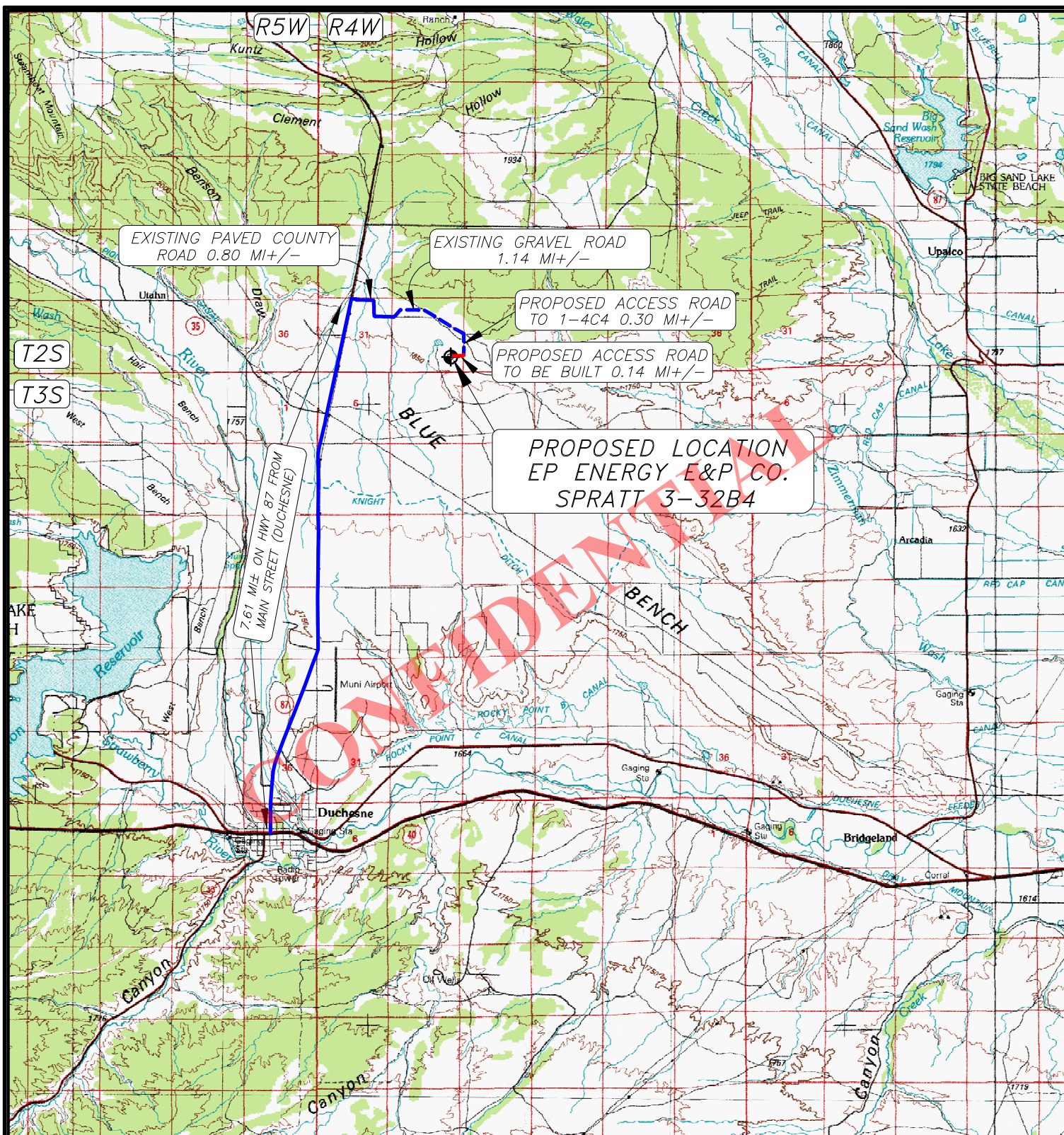


JERRY D. ALLRED & ASSOCIATES
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1235 NORTH 700 EAST--P.O. BOX 975
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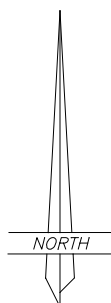
**LEGEND:**

◆ PROPOSED WELL LOCATION

01-128-394

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHEсне, UTAH 84021
(435) 738-5352

**EP ENERGY E & P COMPANY, L.P.**

SPRATT 3-32B4

SECTION 32, T2S, R4W, U.S.B.&M.

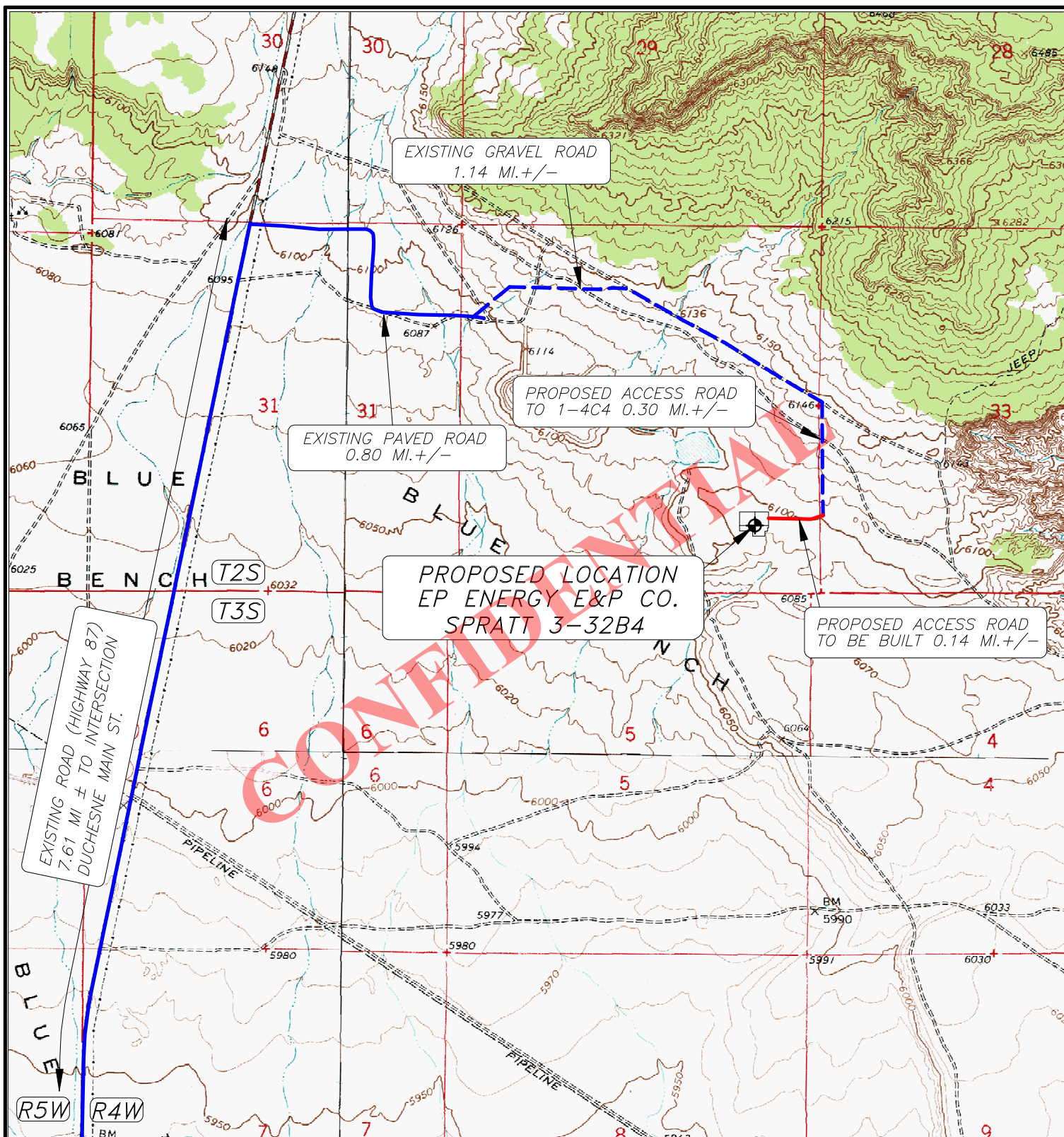
1000' FSL 1000' FEL

TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

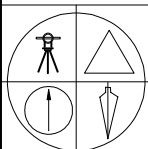
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**LEGEND:**

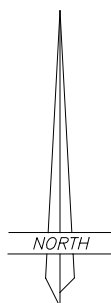
- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-394



JERRY D. ALLRED & ASSOCIATES
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**EP ENERGY E & P COMPANY, L.P.**

SPRATT 3-32B4

SECTION 32, T2S, R4W, U.S.B.&M.

1000' FSL 1000' FEL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'

17 APR 2013

RECEIVED: February 10, 2014

SCALE: 1"=2000'
17 APR 2013

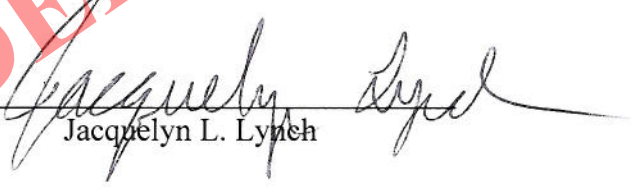
RECEIVED: February 10, 2014

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Jacquelyn L. Lynch personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Jacquelyn L. Lynch. I am a Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Spratt 3-32B4 well (the "Well") to be located in the SE/4SE/4 of Section 32, Township 2 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Butte LLC, represented by Maribeth Spratt, Managing Member, whose address is 1552 35th Avenue, San Francisco, California 94122 (the "Surface Owner"). The Surface Owner's telephone number is (415) 531-1552.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated December 9, 2013, to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.


Jacquelyn L. Lynch

ACKNOWLEDGMENT

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

Sworn to and subscribed before me on this 20th day of December, 2013, by Jacquelyn L. Lynch, as Landman for EP Energy E&P Company, L.P., a Delaware limited partnership.


NOTARY PUBLIC

My Commission Expires:



EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .30 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**

- Drilling water: Duchesne City Water

5. **Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .30 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
 1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
 2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Butte LLC
Maribeth Spratt, Managing Member
1552 35th Avenue
San Francisco, California 94122
415-531-1552

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

Construction and Reclamation:

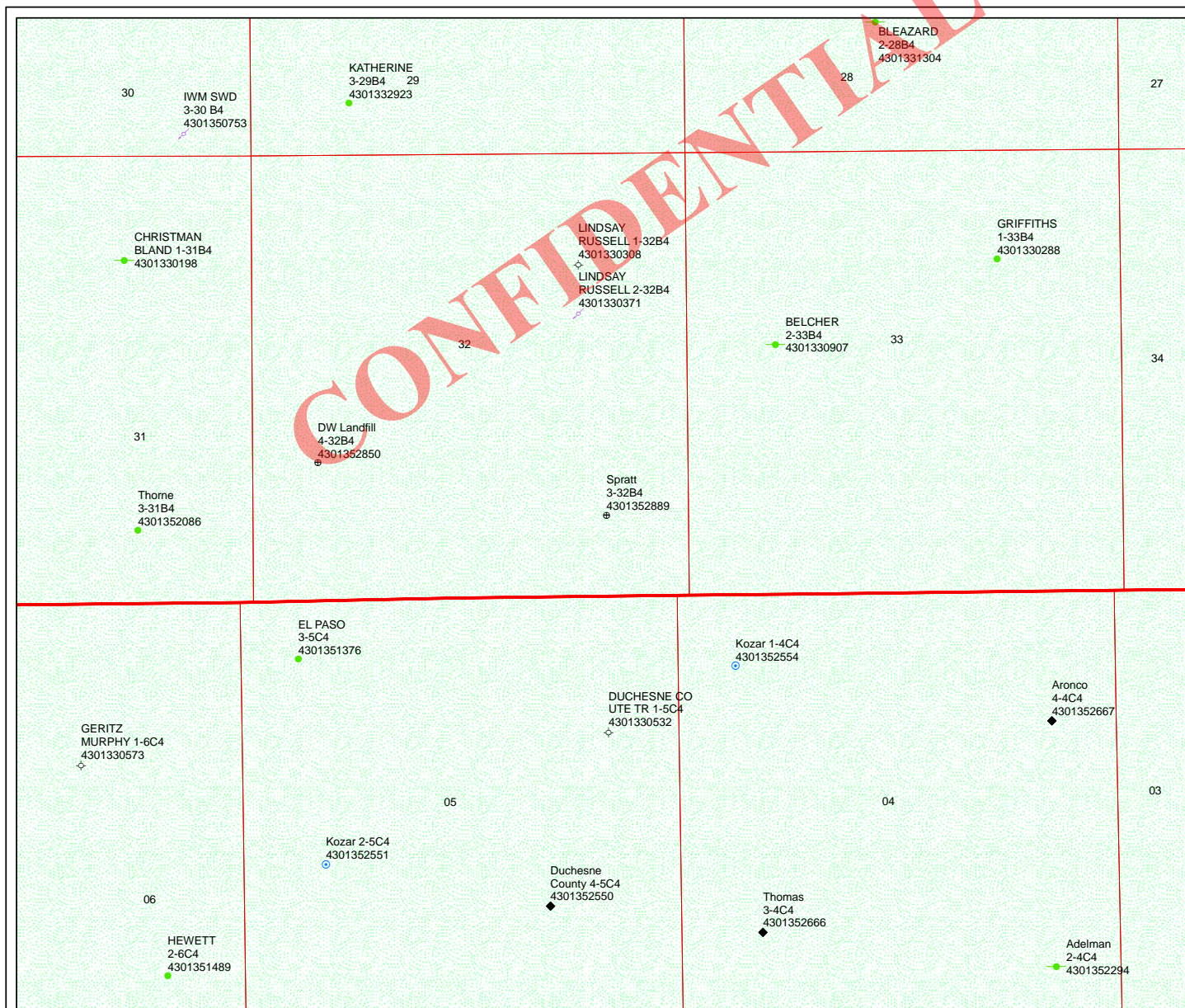
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling

EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell



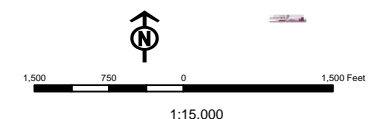
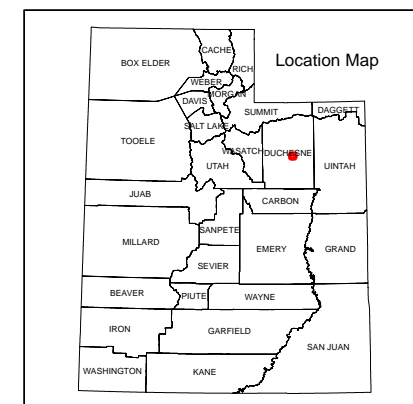
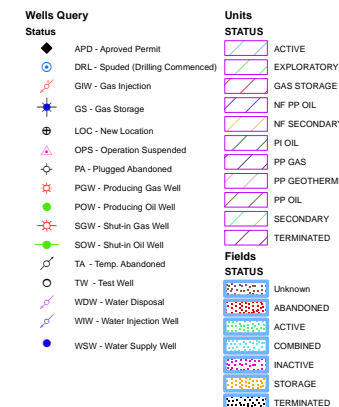
API Number: 4301352889

Well Name: Spratt 3-32B4

Township: T02.0S Range: R04.0W Section: 32 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 3/21/2014
Map Produced by Diana Mason



Well Name	EP ENERGY E&P COMPANY, L.P. Spratt 3-32B4 43013528890000			
String	COND	SURF	I1	L1
Casing Size(in)	13.375	9.625	7.000	4.500
Setting Depth (TVD)	800	4000	9900	12800
Previous Shoe Setting Depth (TVD)	0	800	4000	9900
Max Mud Weight (ppg)	9.1	9.5	10.6	13.8
BOPE Proposed (psi)	1000	1500	10000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	9185			13.8

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	379	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	283	YES 4.5 x 20 rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	203	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	203	NO OK
Required Casing/BOPE Test Pressure=		800	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

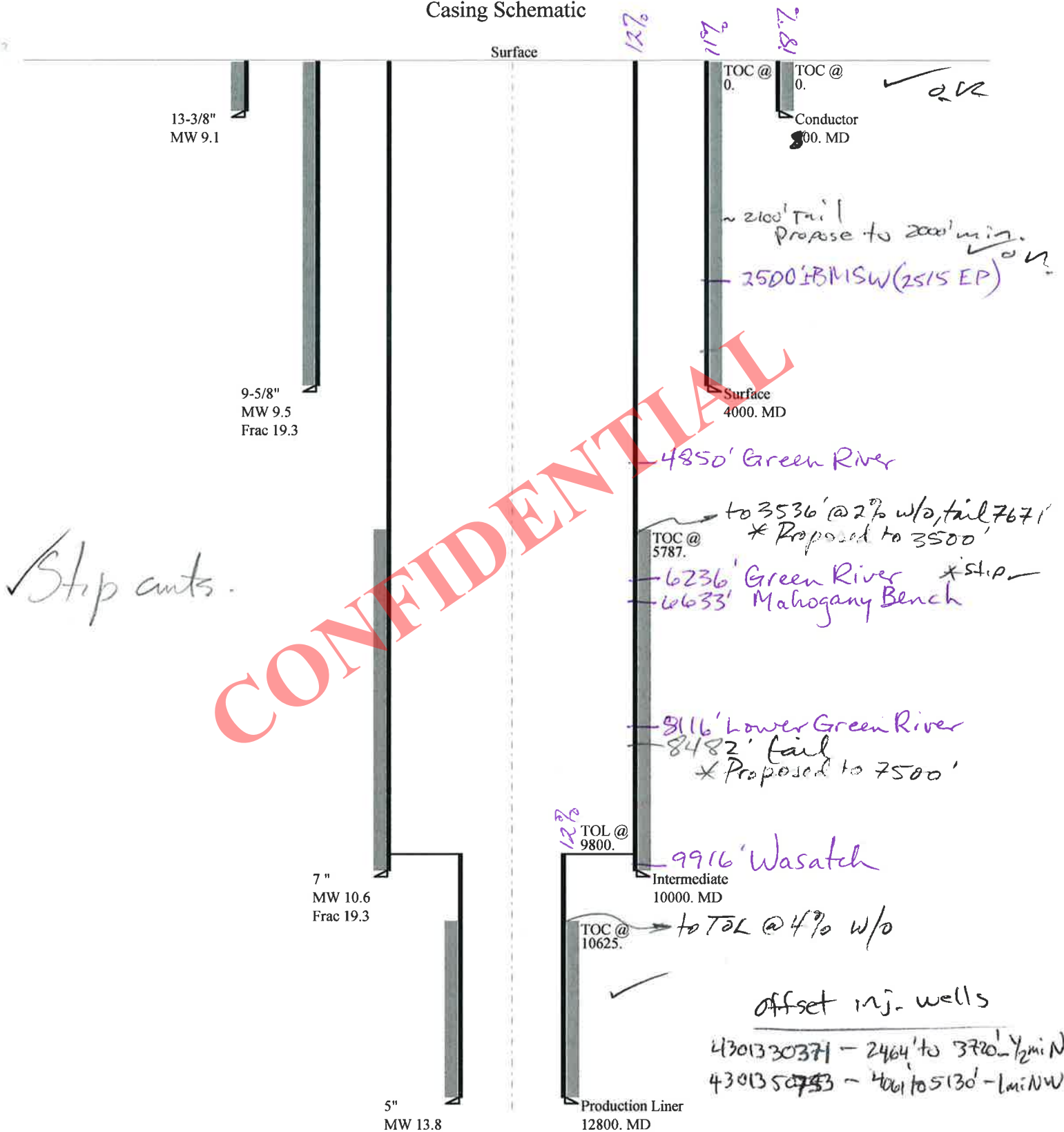
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1976	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1496	YES 4.5 x 13 3/8 diverter stack with rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1096	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1272	NO OK
Required Casing/BOPE Test Pressure=		4000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		800	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5457	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4269	YES 10M BOPE w/rotating head, 5M annular, blind rams, flex
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3279	YES rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4159	NO OK
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		4000	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	9185	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	7649	YES 10M BOPE w/rotating head, 5M annular, blind rams, flex ram
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6369	YES & single with flex rams
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8547	YES OK
Required Casing/BOPE Test Pressure=		9758	psi
*Max Pressure Allowed @ Previous Casing Shoe=		9900	psi *Assumes 1psi/ft frac gradient

43013528890000 Spratt 3-32B4

Casing Schematic



Well name:	43013528890000 Spratt 3-32B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Conductor	Project ID: 43-013-52889
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 9.100 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 212 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 284 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 519 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600 800	13.375	54.50	J-55	ST&C	600	600	12.49	7444
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	284	1130	3.985	284	2730	9.63	28.3	514	18.17 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: April 28, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 9.1 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528890000 Spratt 3-32B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Surface	Project ID: 43-013-52889
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 130 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,520 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 4,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,435 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 10,000 ft
Next mud weight: 10.600 ppg
Next setting BHP: 5,506 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,000 ft
Injection pressure: 4,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4000	9.625	40.00	N-80	LT&C	4000	4000	8.75	50898
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1974	3090	1.565	4000	5750	1.44	137.4	737	5.36 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 6, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528890000 Spratt 3-32B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Intermediate	Project ID: 43-013-52889
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 10.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 214 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 5,787 ft

Burst

Max anticipated surface pressure: 6,360 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,560 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on buoyed weight.
Neutral point: 8,396 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 12,800 ft
Next mud weight: 13.800 ppg
Next setting BHP: 9,176 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 10,000 ft
Injection pressure: 10,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10000	7	29.00	HCP-110	LT&C	10000	10000	6.059	112926
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5506	9200	1.671	8560	11220	1.31	243.5	797	3.27 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 6, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 10.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528890000 Spratt 3-32B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Production Liner	Project ID: 43-013-52889
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 13.800 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 253 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst:

Design factor 1.00

Cement top: 10,625 ft

Burst

Max anticipated surface pressure: 6,360 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,176 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Liner top: 9,800 ft

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 12,170 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3000	5	18.00	HCP-110	ST-L	12800	12800	4.151	237592
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	9176	15360	1.674	9176	13940	1.52	42.7	341	7.99 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 6, 2014
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12800 ft, a mud weight of 13.8 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Spratt 3-32B4
API Number 43013528890000 **APD No** 9397 **Field/Unit** ALTAMONT
Location: 1/4,1/4 SESE Sec 32 Tw 2.0S Rng 4.0W 1000 FSL 1000 FEL
GPS Coord (UTM) 554910 4456735 **Surface Owner** Butte LLC

Participants

Kelsey Carter & Heather Ivie (Land people for EP Energy); Jared Thacker (EP Energy); Dennis Ingram (UDOGM)

Regional/Local Setting & Topography

The Spratt 3-32B4 is proposed 7.67 miles north of Duchesne along Highway 87, then east 2.24 miles along county road, then west 0.14 up new access road into location staking. The topography at the well pad slopes southeasterly, having a proposed 3.5 foot cut at the northeastern corner and 0.5 of fill at the southwest stake. The surface is reddish blow-sand with sagebrush or weed covered at the lower end of the cedar tree elevation. Regionally, this project is along the north/northwestern portion of Blue Bench and south of the red sandstone shelves that run some five miles easterly toward the Lake Fork River Drainage. Benson Draw drains southerly into Utahan, and the Duchesne River corridor are found approximately 2.1 miles to the west.

Surface Use Plan

Current Surface Use

Industrial
Wildlfe Habitat

New Road Miles

0.14

Well Pad

Width 357 Length 150

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Nap weed or cleared area, sagebrush, prickly pear cactus, bunch grass along edges--cedar trees on adjacent lands;

Potential mule deer, coyote, mountain lion, prairie dog, jack rabbit, and other smaller mammals and birds native to region.

Soil Type and Characteristics

Reddish, fine-grained sandy loam mostly blow sand.

Erosion Issues N

Sedimentation Issues N**Site Stability Issues** N**Drainage Diversion Required?** N**Berm Required?** Y**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		25 1 Sensitivity Level

Characteristics / Requirements

The proposed reserve pit is staked along the southeastern side of the location, in mostly cut measuring 110' wide by 150' long by 12' deep

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?****Other Observations / Comments**

Contact landowner, landowner did not attend, surface nearly flat, no issues, Duchesne county landfill northwest of site

Dennis Ingram
Evaluator

3/20/2014
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9397	43013528890000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Butte LLC	
Well Name	Spratt 3-32B4		Unit		
Field	ALTAMONT		Type of Work	DRILL	
Location	SESE 32 2S 4W U 1000 FSL 1000 FEL GPS Coord (UTM) 554909E 4456736N				

Geologic Statement of Basis

EP proposes to set 600 feet of conductor and 4,000 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 2,600 feet. A search of Division of Water Rights records indicates that there are 11 water wells within a 10,000 foot radius of the center of Section 33. Wells range between 150 and 540 feet in depth and are used for irrigation, stock watering, domestic, industrial, and municipal. These wells probably produce from the Duchesne River Formation. The Duchesne River Formation is made up of sandstones with interbedded shales and is the most prominent fresh water aquifer in the area. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill
APD Evaluator

4/17/2014
Date / Time

Surface Statement of Basis

The surface slopes southeasterly at the project staking and doesn't have any drainage or surface water issues. Reddish, fine-grained blow sand is found across the project area, therefore the reserve pit will require a 20 mil synthetic liner to help prevent seepage of the drilling fluids. The location shall be bermed to prevent spill and leaks from leaving the well site.

A presite was scheduled and performed on March 20, 2014 for the Spratt 3-32B4, to take input and address issues regarding the construction and drilling of this well. Mary Beth Spratt was shown as the landowner of record and called by telephone prior to visit. Her only concerns was if there is any environmental issues associated with the wellsite. According to EP Energy they have a landowner agreement in place with the surface owner..

Dennis Ingram
Onsite Evaluator

3/20/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the south side of the location.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/17/2014

API NO. ASSIGNED: 43013528890000

WELL NAME: Spratt 3-32B4

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: SESE 32 020S 040W

Permit Tech Review: ☒

SURFACE: 1000 FSL 1000 FEL

Engineering Review: ☒

BOTTOM: 1000 FSL 1000 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.25928

LONGITUDE: -110.35429

UTM SURF EASTINGS: 554909.00

NORTHINGS: 4456736.00

FIELD NAME: ALTAMONT

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: STATE - 400JU0708
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: Duchesne City
- ☐ RDCC Review:
- ☒ Fee Surface Agreement
- ☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit:
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: Cause 139-84
- Effective Date: 12/31/2008
- Siting: 4 Wells Per 640 Acres
- ☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - BHILL
8 - Cement to Surface -- 2 strings - ddoucet
9 - Cement casing to Surface - ddoucet
12 - Cement Volume (3) - hmacdonald

RECEIVED: May 13, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Spratt 3-32B4
API Well Number: 43013528890000
Lease Number: FEE
Surface Owner: FEE (PRIVATE)
Approval Date: 5/13/2014

Issued to:

EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 9 5/8" casing strings shall be determined from actual hole diameters in order to place the lead cement from the pipe setting depth back to 2000' MD minimum and tail cement back to the surface as indicated in the submitted drilling plan.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 3500' MD and tail cement to 500' above the Lower Green River as indicated in the submitted drilling plan.

The cement volumes for the 13 3/8" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the

pipe setting depth back to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a faint horizontal line.

For John Rogers
Associate Director, Oil & Gas



Alexis Huefner <alexishuefner@utah.gov>

24hr Notice Spud , Run & Cement Casing

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Sun, Jun 1, 2014 at 10:11 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Danny Mangum <danny.mangum@epenergy.com>, David Hackford <davidhackford@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Walt, Michael Joseph" <Michael.Walt@epenergy.com>

RE: EP Energy LLC

Spratt 3-32B4

API # 43013528890000

Altamont Field

Duchesne County , UT

1000 FSL 1000 FEL
8ESE 82 2S 4W

CONFIDENTIAL

Leon Ross Drilling rig 26 spudded the well @ 21:00 hrs 5/31/2014 & plan on running & cementing 13-3/8" 54.5# J-55 STC Conductor casing to +/- 800' within 24hrs. Drilling will resume within 1 week when Precision Rig 406 is mobilized to location.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE 5-32 + 025 R04W FEE LEASE

24hr Notice Test BOPE & Casing

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Fri, Jun 6, 2014 at 9:21 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Danny Mangum <danny.mangum@epenergy>, David Hackford <davidhackford@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Walt, Michael Joseph" <Michael.Walt@epenergy.com>

RE: EP Energy LLC

Spratt 3-32B4

API # 43013528890000

Altamont Field

Duchesne County , UT

We plan on testing the 13-5/8" 3m Diverter & 13-3/8" casing with 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-MAIL AND DELETE ALL COPIES OF THIS MESSAGE.

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE 5-32 7023 ROYAL FEE LEASE

24hr Notice Spud, Run & Cement Casing

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Sat, Jun 7, 2014 at 6:12 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, David Hackford <davidhackford@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Walt, Michael Joseph" <Michael.Walt@epenergy.com>

RE: EP Energy LLC

Spratt 3-32B4

API # 43013528890000

Altamont Field

Duchesne County , UT

We spudded the well with Precision Drilling Rig 406 @ 15:19hrs 6/6/2014. We plan on running & cementing 9-5/8" 40# N-80 LTC Surface casing to +/- 4,000' within 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-MAIL AND DELETE ALL COPIES OF THIS MESSAGE.

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE S-32 Tozs R04W FEE LEASE

Revised 24hr Notice Run & Cement Casing

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Sun, Jun 8, 2014 at 11:50 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, David Hackford <davidhackford@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Walt, Michael Joseph" <Michael.Walt@epenergy.com>

RE: EP Energy LLC

Spratt 3-32B4

API # 43013528890000

Altamont Field

Duchesne County , UT

Revised run time due to bit trip. Plan on running & cementing 9-5/8" 40# N-80 LTC Surface casing to +/- 4,000' within 24hrs.

Regards,

Tony Wilkerson / Bill Owen

EP Energy LLC

PD Rig 406

Rig: 713-997-1220

Cell: 435-823-1764

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Carol Daniels <caroldaniels@utah.gov>

SESE SEC-32 T025 R04W FEE LEASE

EP ENERGY / SPRATT 3-32B4 / API # 43013528890000

CONFIDENTIAL

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Mon, Jun 16, 2014 at 2:55 PM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>

EP ENERGY / RUN & CMT 7" INT CSG / TEST BOPE & CSG

EP ENERGY

SPRATT 3-32B4

API # 43013528890000

ALTAMONT FIELD

DUCHESNE COUNTY

We drilled the 8 3/4" intermediate hole t/ 10000' TD @ 23:30 HRS on 6-15-2014. We are currently making a wiper trip for logging & csg operations. We anticipate the following :

- (1) Starting to run the 7" 29# HCP110 csg @ 3:00 PM on 6-17-14.
- (2) Starting 7" csg cement operations @ 3:00 PM on 6-18-14.
- (3) Starting to test BOPE & 7"csg @ 3:00 AM on 6-19-14.

If any other information is required please contact us @ the numbers below.

Thanks,

Roy Darden / Morgan Harden

EP Energy / PD 406

713-997-1220 (Rig)

903-229-2878 (Cell)

THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-MAIL AND DELETE ALL COPIES OF THIS MESSAGE.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Spratt 3-32B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		9. API NUMBER: 43013528890000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FSL 1000 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 32 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/11/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Initial Completion"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details into completing well in the Wasatch.

Approved by the
July 10, 2014
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 7/10/2014

Spratt 3-32B4**Initial Completion****API # : 43013528890000**

The following precautions will be taken until the RCA for the Conover is completed:

1. Review torque turning and running of the 7" and 5" liner of anomalies.
2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.
3. Test all lubricators, valves and BOP's to working pressure.
4. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.
5. Monitor the surface casing during frac:
 - a. Lay a flowline to the flow back tank and keep the valve open.
 - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

Stage #1	RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12288' – 12620' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~145000 # of Power Prop 20/40. Total clean water volume is 126687 gals.
Stage #2	RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11904' – 12236' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~145000 # of Power Prop 20/40. Total clean water volume is 126114 gals.
Stage #3	RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11493' – 11806' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 122192 gals.
Stage #4	RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11206' – 11464' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~170000 # of Power Prop 20/40. Total clean water volume is 140614 gals.
Stage #5	RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10914' – 11173' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of Power Prop 20/40. Total clean water volume is 134562 gals.

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10650' – 10873' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 119701 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10356' – 10605' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of TLC 30/50. Total clean water volume is 132496 gals.

Stage #8 RU WL unit with 10K lubricator and test to 10000 psi with glycol. Perforations from ~10067' – 10329' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~130000# of TLC 30/50.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	Gals of Clean H2O	Gals of Slurry
Stage #1	12,288	12,620	332	NA	23	69	17	Power Prop 20/40	145,000	437	3,000	5,000	126,687	138,628
Stage #2	11,904	12,236	332	12,246	23	69	15	Power Prop 20/40	145,000	437	3,000	5,000	126,114	138,055
Stage #3	11,493	11,806	313	11,816	23	69	17	Power Prop 20/40	140,000	447	3,000	5,000	122,192	133,899
Stage #4	11,206	11,464	258	11,474	22	66	17	Power Prop 20/40	170,000	659	3,000	5,000	140,614	153,728
Stage #5	10,914	11,173	259	11,183	22	66	17	Power Prop 20/40	160,000	618	3,000	5,000	134,562	147,206
Stage #6	10,650	10,873	223	10,883	21	63	16	TLC 30/50	120,000	538	3,000	5,000	119,701	148,772
Stage #7	10,356	10,605	249	10,615	22	66	17	TLC 30/50	140,000	562	3,000	5,000	132,496	166,152
Stage #8	10,067	10,329	262	10,339	21	63	16	TLC 30/50	130,000	496	3,000	5,000	124,448	156,137
Average per Stage			279		22	66	17		143,750	524	3,000	5,000	128,352	147,822
Totals per Well			2,228		177	531	132		1,150,000		24,000	40,000	1,026,814	1,182,576

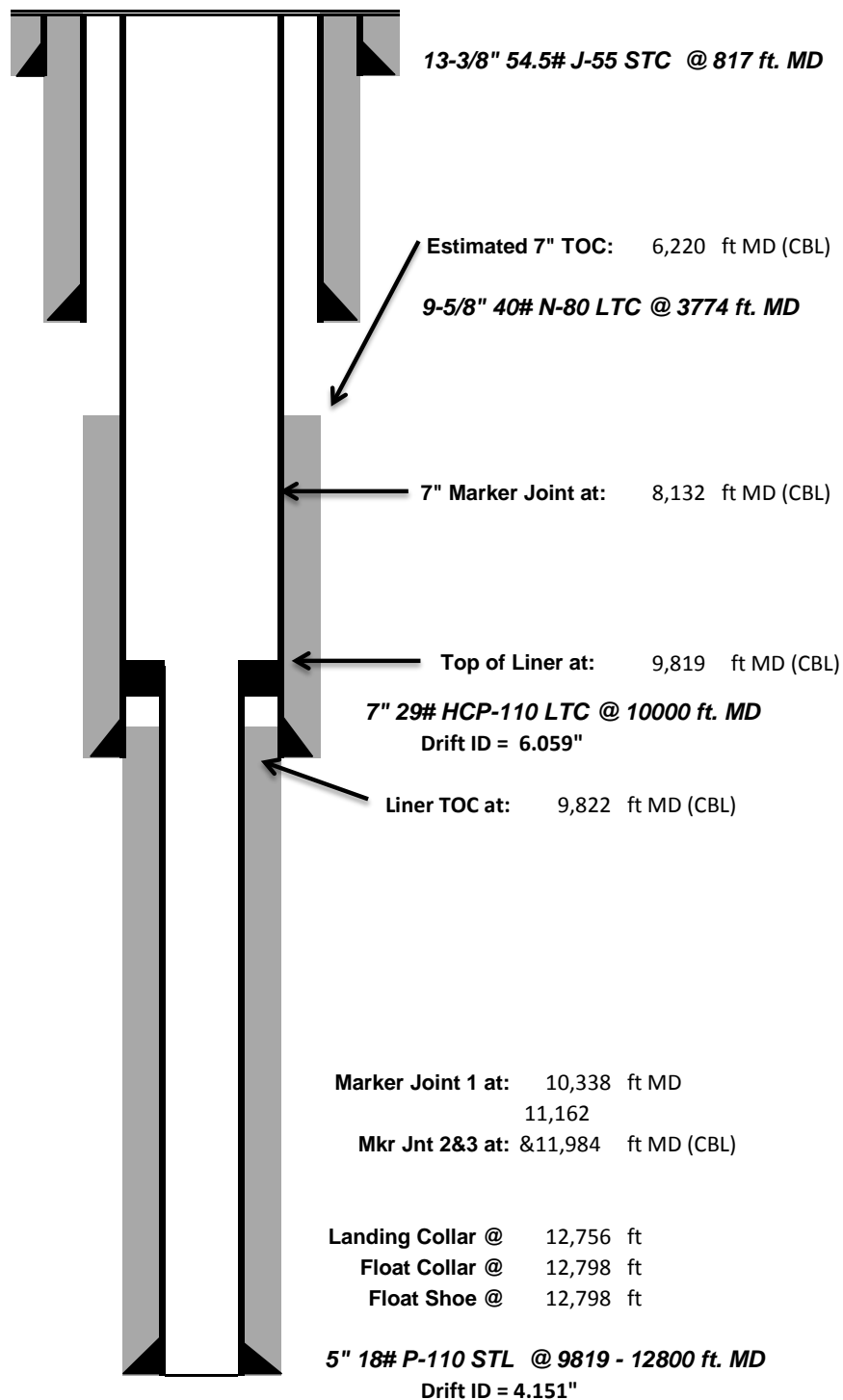


Pre-Completion Wellbore Schematic

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch**

Last Updated: **7/8/2014**
 By: **Mohammad Siddiqui**
 TD: **0**
 API: **43013528890000**
 AFE: **160422**

8.43 ppg KCL substitute (Clay Webb Water)
 water in the wellbore



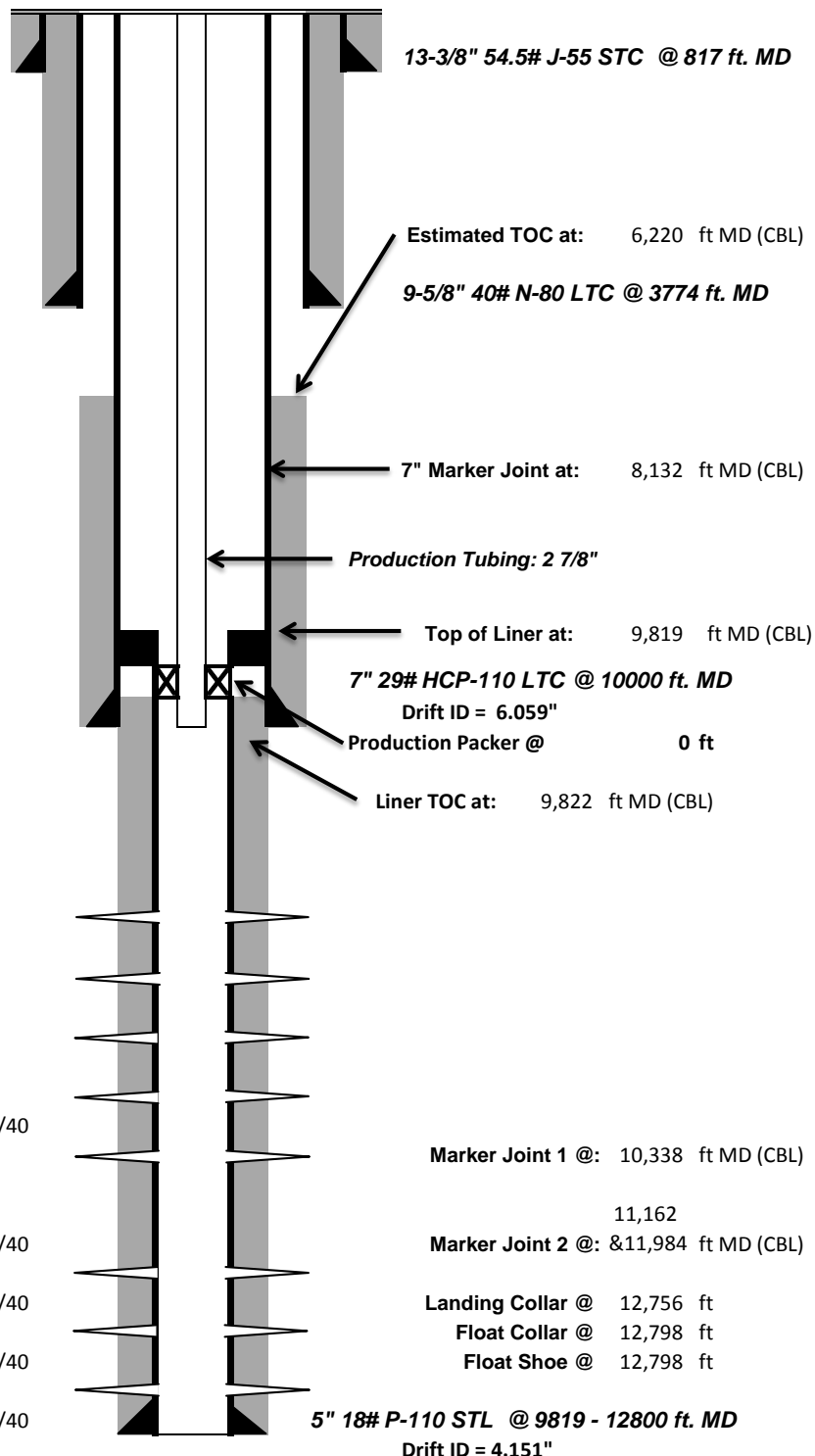


Post-Completion Wellbore Schematic

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch**

Last Updated: **7/8/2014**
 By: **Mohammad Siddiqui**
 TD: **0**
 API: **43013528890000**
 AFE: **160422**

8.43 ppg KCL substitute (Clay Webb Water)
 water in the wellbore



Initial Completion Perf Information

Stage #8 10067 - 10329 21' /63 shots
 5000 gal HCL & 130000 lbs TLC 30/50

Stage #7 10356 - 10605 22' /66 shots
 5000 gal HCL & 140000 lbs TLC 30/50

Stage #6 10650 - 10873 21' /63 shots
 5000 gal HCL & 120000 lbs TLC 30/50

Stage #5 10914 - 11173 22' /66 shots
 5000 gal HCL & 160000 lbs Power Prop 20/40

Stage #4 11206 - 11464 22' /66 shots
 5000 gal HCL & 170000 lbs Power Prop 20/40

Stage #3 11493 - 11806 23' /69 shots
 5000 gal HCL & 140000 lbs Power Prop 20/40

Stage #2 11904 - 12236 23' /69 shots
 5000 gal HCL & 145000 lbs Power Prop 20/40

Stage #1 12288 - 12620 23' /69 shots
 5000 gal HCL & 145000 lbs Power Prop 20/40

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE S-32 TO2S R04W FEE LEASE

EP ENERGY / SPRATT 3-32B4 / RUN & CMT 5" PROD LINER

1 message

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Mon, Jun 23, 2014 at 9:37 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>

EP ENERGY / RUN & CMT 5" PROD LINER

EP ENERGY

SPRATT 3-32B4

API # 43013528890000

ALTAMONT FIELD

DUCHESNE COUNTY

We reached 12810' TD on the 6 1/8" production hole @ 10:00 PM 06-22-14. We are currently preparing to run a 5" 18# HCP110 production liner. We anticipate starting cement operations @ 6:00 PM 06-24-14. If any other information is required please contact us @ the numbers below.

Thanks,

Roy Derden / Morgan Harden

EP Energy / PD 406

713-997-1220 (Rig)

903-229-2878 (Cell)

THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-MAIL AND DELETE ALL COPIES OF THIS MESSAGE.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:

12. COUNTY

13. STATE

UTAH

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD

TVD

19. PLUG BACK T.D.: MD

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET:

TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED?

NO ☐YES ☐

(Submit analysis)

WAS DST RUN?

NO ☐YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☐

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report**Form 8 Dated August 13, 2014****Well Name: Spratt 3-32B4****Items #27 and #28 Continued****27. Perforation Record**

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
10915'-11176'	.43	66	Open
10651'-10876'	.43	63	Open
10357'-10606'	.43	66	Open
10068'-10330'	.43	63	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11206'-11462'	5000 gal acid, 3005# 100 mesh, 169880# 20/40 PowerProp
10915'-11176'	5000 gal acid, 3000# 100 mesh, 159620# 20/40 PowerProp
10651'-10876'	5000 gal acid, 3000# 100 mesh, 119640# 30/50 TLC
10357'-10606'	5000 gal acid, 3500# 100 mesh, 140500# 30/50 TLC
10068'-10330'	5000 gal acid, 3000# 100 mesh, 130000# 30/50 TLC



Company: EP Energy
Well: Spratt 3-32B4
Location: Duchesne, UT
Rig: Precision 406

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth				
Tie In	0.00	0.00	0.00											
1	100.00	0.26	69.15	100.00	100.00	0.08	0.08	N	0.21	E	0.22	69.15	0.26	69.15
2	200.00	0.59	85.02	100.00	200.00	0.20	0.20	N	0.93	E	0.95	77.60	0.35	15.88
3	300.00	0.19	59.25	100.00	299.99	0.33	0.33	N	1.58	E	1.61	78.08	0.42	-25.77
4	400.00	0.61	103.97	100.00	399.99	0.29	0.29	N	2.24	E	2.25	82.58	0.49	44.72
5	500.00	0.41	68.85	100.00	499.99	0.29	0.29	N	3.09	E	3.10	84.57	0.36	-35.12
6	600.00	0.52	115.17	100.00	599.99	0.23	0.23	N	3.83	E	3.84	86.56	0.38	46.32
7	700.00	0.14	35.97	100.00	699.98	0.13	0.13	N	4.31	E	4.32	88.25	0.51	-79.20
8	800.00	0.09	79.81	100.00	799.98	0.24	0.24	N	4.46	E	4.46	86.91	0.09	-0.05
9	900.00	0.32	156.51	100.00	899.98	0.00	0.00	S	4.65	E	4.65	90.06	0.32	76.71
10	1000.00	0.20	184.60	100.00	999.98	-0.44	0.44	S	4.75	E	4.77	95.24	0.18	-0.13
11	1100.00	0.23	200.42	100.00	1099.98	-0.79	0.79	S	4.66	E	4.73	99.66	0.07	15.82
12	1200.00	0.41	266.56	100.00	1199.98	-1.00	1.00	S	4.23	E	4.35	103.31	0.38	66.15
13	1300.00	0.27	314.43	100.00	1299.98	-0.86	0.86	S	3.70	E	3.80	103.02	0.31	-0.14
14	1400.00	0.42	269.70	100.00	1399.98	-0.69	0.69	S	3.16	E	3.24	102.33	0.30	-44.73
15	1500.00	0.36	228.52	100.00	1499.97	-0.90	0.90	S	2.56	E	2.71	109.40	0.28	-0.07
16	1600.00	0.46	244.49	100.00	1599.97	-1.28	1.28	S	1.96	E	2.34	123.17	0.15	15.97
17	1700.00	0.46	242.77	100.00	1699.97	-1.64	1.64	S	1.24	E	2.06	142.89	0.01	-1.72
18	1800.00	0.10	283.83	100.00	1799.97	-1.80	1.80	S	0.80	E	1.97	156.11	0.39	-0.36
19	1900.00	0.48	234.40	100.00	1899.97	-2.03	2.03	S	0.37	E	2.06	169.54	0.42	-49.43
20	2000.00	0.57	232.68	100.00	1999.96	-2.57	2.57	S	0.36	W	2.59	187.95	0.09	-1.71
21	2100.00	0.19	203.32	100.00	2099.96	-3.02	3.02	S	0.81	W	3.12	195.12	0.41	-29.36
22	2200.00	0.31	259.94	100.00	2199.96	-3.21	3.21	S	1.15	W	3.41	199.67	0.26	56.62
23	2300.00	0.09	293.83	100.00	2299.96	-3.23	3.23	S	1.49	W	3.55	204.75	0.24	-0.22
24	2400.00	0.07	197.23	100.00	2399.96	-3.25	3.25	S	1.58	W	3.61	205.86	0.12	-96.59
25	2500.00	0.59	212.07	100.00	2499.96	-3.75	3.75	S	1.87	W	4.19	206.51	0.53	14.84
26	2600.00	0.58	268.65	100.00	2599.95	-4.20	4.20	S	2.65	W	4.96	212.28	0.56	-0.01
27	2700.00	0.48	253.13	100.00	2699.95	-4.33	4.33	S	3.56	W	5.61	219.43	0.17	-0.10
28	2800.00	0.27	187.84	100.00	2799.94	-4.68	4.68	S	4.00	W	6.16	220.46	0.44	-65.29
29	2900.00	0.23	193.65	100.00	2899.94	-5.11	5.11	S	4.08	W	6.54	218.56	0.05	-0.04
30	3000.00	0.58	193.01	100.00	2999.94	-5.80	5.80	S	4.24	W	7.18	216.15	0.35	0.35
31	3100.00	0.43	226.81	100.00	3099.94	-6.55	6.55	S	4.63	W	8.02	215.23	0.33	-0.15
32	3200.00	0.88	210.17	100.00	3199.93	-7.48	7.48	S	5.29	W	9.16	215.28	0.48	-16.64
33	3300.00	0.83	225.57	100.00	3299.92	-8.65	8.65	S	6.19	W	10.64	215.61	0.24	-0.06
34	3400.00	0.94	208.77	100.00	3399.91	-9.87	9.87	S	7.10	W	12.16	215.73	0.28	-16.80
35	3500.00	1.24	218.92	100.00	3499.89	-11.43	11.43	S	8.18	W	14.06	215.57	0.35	0.30



Company: EP Energy
Well: Spratt 3-32B4
Location: Duchesne, UT
Rig: Precision 406

Job Number:
Mag Decl.:
Dir Driller:
MWD Eng:

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates				Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)		E/W (ft)		Distance (ft)	Direction Azimuth			
36	3600.00	1.61	221.94	100.00	3599.86	-13.32	13.32	S	9.80	W	16.53	216.33	0.38	0.38	3.02
37	3700.00	1.76	214.97	100.00	3699.82	-15.62	15.62	S	11.61	W	19.47	216.63	0.25	0.14	-6.97
38	3747.00	1.71	219.53	47.00	3746.79	-16.75	16.75	S	12.47	W	20.89	216.67	0.31	-0.09	9.69
39	3786.00	1.88	220.22	39.00	3785.77	-17.69	17.69	S	13.26	W	22.11	216.85	0.43	0.43	1.77
40	3883.00	2.26	201.27	97.00	3882.71	-20.69	20.69	S	14.98	W	25.54	215.91	0.80	0.39	-19.54
41	3979.00	1.20	172.16	96.00	3978.67	-23.45	23.45	S	15.53	W	28.12	213.51	1.40	-1.10	-30.32
42	4075.00	1.29	133.04	96.00	4074.65	-25.18	25.18	S	14.60	W	29.11	210.11	0.87	0.09	-40.75
43	4171.00	0.43	69.60	96.00	4170.64	-25.79	25.79	S	13.47	W	29.10	207.58	1.21	-0.90	-66.08
44	4267.00	2.01	26.11	96.00	4266.61	-24.16	24.16	S	12.40	W	27.15	207.16	1.80	1.65	-45.30
45	4363.00	2.71	23.81	96.00	4362.53	-20.57	20.57	S	10.74	W	23.20	207.57	0.74	0.73	-2.40
46	4459.00	2.25	18.64	96.00	4458.44	-16.71	16.71	S	9.22	W	19.08	208.89	0.53	-0.48	-5.39
47	4555.00	1.71	22.56	96.00	4554.38	-13.60	13.60	S	8.07	W	15.81	210.68	0.58	-0.56	4.08
48	4649.00	1.61	359.20	94.00	4648.35	-10.98	10.98	S	7.55	W	13.33	214.50	0.72	-0.11	358.13
49	4745.00	3.88	350.06	96.00	4744.23	-6.43	6.43	S	8.13	W	10.37	231.63	2.40	2.36	-9.52
50	4841.00	3.82	334.63	96.00	4840.02	-0.35	0.35	S	10.06	W	10.06	268.03	1.08	-0.06	-16.07
51	4938.00	4.16	346.94	97.00	4936.78	6.00	6.00	N	12.24	W	13.63	296.12	0.95	0.35	12.69
52	5034.00	3.89	0.42	96.00	5032.55	12.65	12.65	N	13.00	W	18.14	314.21	1.02	-0.28	-360.96
53	5130.00	2.59	355.41	96.00	5128.39	18.07	18.07	N	13.15	W	22.35	323.95	1.38	-1.35	369.78
54	5224.00	1.85	14.26	94.00	5222.32	21.66	21.66	N	12.95	W	25.23	329.13	1.10	-0.79	-362.93
55	5321.00	1.02	21.31	97.00	5319.29	23.98	23.98	N	12.25	W	26.93	332.94	0.87	-0.86	7.27
56	5417.00	1.01	335.17	96.00	5415.28	25.54	25.54	N	12.29	W	28.35	334.30	0.83	-0.01	326.94
57	5514.00	1.10	342.35	97.00	5512.26	27.21	27.21	N	12.93	W	30.12	334.57	0.16	0.09	7.40
58	5610.00	2.16	10.57	96.00	5608.22	29.86	29.86	N	12.88	W	32.52	336.67	1.35	1.10	-345.60
59	5706.00	2.50	4.05	96.00	5704.14	33.73	33.73	N	12.40	W	35.94	339.81	0.45	0.35	-6.79
60	5801.00	2.35	17.68	95.00	5799.06	37.65	37.65	N	11.66	W	39.42	342.79	0.63	-0.16	14.35
61	5897.00	2.35	23.14	96.00	5894.98	41.34	41.34	N	10.29	W	42.60	346.02	0.23	0.00	5.69
62	5993.00	2.78	10.34	96.00	5990.88	45.44	45.44	N	9.10	W	46.34	348.67	0.74	0.45	-13.33
63	6089.00	3.82	15.48	96.00	6086.72	50.81	50.81	N	7.83	W	51.41	351.24	1.13	1.08	5.35
64	6185.00	2.56	6.44	96.00	6182.57	56.02	56.02	N	6.74	W	56.42	353.14	1.41	-1.31	-9.42
65	6282.00	2.62	1.30	97.00	6279.47	60.39	60.39	N	6.44	W	60.73	353.91	0.25	0.06	-5.30
66	6378.00	1.70	57.86	96.00	6375.41	63.34	63.34	N	5.19	W	63.55	355.32	2.29	-0.96	58.92
67	6475.00	2.53	19.46	97.00	6472.35	66.13	66.13	N	3.26	W	66.21	357.18	1.65	0.86	-39.59
68	6571.00	3.38	13.55	96.00	6568.22	70.88	70.88	N	1.89	W	70.90	358.48	0.94	0.89	-6.16
69	6667.00	2.14	3.98	96.00	6664.11	75.41	75.41	N	1.10	W	75.42	359.17	1.37	-1.29	-9.97
70	6763.00	2.53	358.14	96.00	6760.03	79.32	79.32	N	1.04	W	79.33	359.25	0.48	0.41	368.92
71	6859.00	1.66	2.26	96.00	6855.97	82.83	82.83	N	1.06	W	82.83	359.27	0.92	-0.91	-370.71
72	6955.00	2.03	13.75	96.00	6951.92	85.87	85.87	N	0.60	W	85.87	359.60	0.54	0.39	11.97



Company: EP Energy
Well: Spratt 3-32B4
Location: Duchesne, UT
Rig: Precision 406

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates				Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)		E/W (ft)		Distance (ft)	Direction Azimuth			
73	7051.00	3.02	6.93	96.00	7047.82	90.03	90.03	N	0.11	E	90.03	0.07	1.08	1.03	-7.10
74	7147.00	3.60	14.31	96.00	7143.66	95.46	95.46	N	1.16	E	95.47	0.70	0.75	0.60	7.69
75	7243.00	3.68	12.20	96.00	7239.47	101.39	101.39	N	2.56	E	101.43	1.44	0.16	0.08	-2.20
76	7339.00	4.06	14.23	96.00	7335.25	107.70	107.70	N	4.04	E	107.77	2.15	0.42	0.40	2.11
77	7435.00	3.88	8.43	96.00	7431.02	114.21	114.21	N	5.36	E	114.33	2.68	0.46	-0.19	-6.04
78	7531.00	2.88	5.68	96.00	7526.85	119.82	119.82	N	6.07	E	119.97	2.90	1.05	-1.04	-2.86
79	7628.00	1.75	4.81	97.00	7623.77	123.72	123.72	N	6.44	E	123.89	2.98	1.17	-1.16	-0.90
80	7724.00	1.55	345.43	96.00	7719.73	126.44	126.44	N	6.23	E	126.59	2.82	0.61	-0.21	354.81
81	7820.00	0.73	354.89	96.00	7815.71	128.30	128.30	N	5.85	E	128.44	2.61	0.87	-0.85	9.85
82	7916.00	1.10	6.15	96.00	7911.70	129.83	129.83	N	5.89	E	129.96	2.60	0.43	0.39	-363.27
83	8013.00	2.17	48.75	97.00	8008.66	131.96	131.96	N	7.38	E	132.17	3.20	1.60	1.10	43.92
84	8109.00	2.22	64.27	96.00	8104.59	133.97	133.97	N	10.42	E	134.37	4.45	0.62	0.05	16.17
85	8205.00	1.57	70.66	96.00	8200.54	135.21	135.21	N	13.33	E	135.87	5.63	0.71	-0.68	6.66
86	8301.00	0.89	115.37	96.00	8296.52	135.33	135.33	N	15.25	E	136.19	6.43	1.17	-0.71	46.57
87	8397.00	1.27	143.36	96.00	8392.50	134.16	134.16	N	16.56	E	135.17	7.04	0.67	0.40	29.16
88	8494.00	1.25	157.56	97.00	8489.48	132.32	132.32	N	17.60	E	133.48	7.58	0.32	-0.02	14.64
89	8590.00	1.62	163.80	96.00	8585.45	130.04	130.04	N	18.38	E	131.34	8.04	0.42	0.39	6.50
90	8687.00	1.60	182.02	97.00	8682.41	127.37	127.37	N	18.71	E	128.74	8.36	0.53	-0.02	18.78
91	8782.00	2.34	194.74	95.00	8777.35	124.17	124.17	N	18.17	E	125.50	8.33	0.90	0.78	13.39
92	8878.00	2.50	190.13	96.00	8873.27	120.22	120.22	N	17.31	E	121.46	8.19	0.26	0.17	-4.80
93	8974.00	2.97	193.17	96.00	8969.16	115.73	115.73	N	16.37	E	116.89	8.05	0.51	0.49	3.17
94	9071.00	2.44	213.51	97.00	9066.05	111.57	111.57	N	14.66	E	112.52	7.49	1.12	-0.55	20.97
95	9167.00	2.31	197.34	96.00	9161.97	108.02	108.02	N	12.96	E	108.79	6.84	0.71	-0.14	-16.84
96	9264.00	3.22	182.83	97.00	9258.86	103.43	103.43	N	12.24	E	104.15	6.75	1.18	0.94	-14.96
97	9359.00	3.43	179.56	95.00	9353.70	97.92	97.92	N	12.13	E	98.67	7.06	0.30	0.22	-3.44
98	9455.00	2.13	206.89	96.00	9449.59	93.46	93.46	N	11.34	E	94.14	6.92	1.90	-1.35	28.47
99	9550.00	2.25	221.31	95.00	9544.52	90.48	90.48	N	9.31	E	90.96	5.88	0.59	0.13	15.18
100	9647.00	1.79	217.28	97.00	9641.46	87.85	87.85	N	7.14	E	88.14	4.65	0.50	-0.47	-4.15
101	9742.00	2.35	212.82	95.00	9736.40	85.03	85.03	N	5.18	E	85.19	3.49	0.61	0.59	-4.69
102	9839.00	3.49	193.59	97.00	9833.27	80.49	80.49	N	3.41	E	80.56	2.43	1.53	1.18	-19.82
103	9935.00	3.01	186.61	96.00	9929.12	75.14	75.14	N	2.44	E	75.18	1.86	0.65	-0.50	-7.27
104	10000.00	2.91	185.08	65.00	9994.03	71.80	71.80	N	2.09	E	71.83	1.67	0.19	-0.15	-2.36
105	10100.00	2.52	182.42	100.00	10093.92	67.07	67.07	N	1.78	E	67.10	1.52	0.41	-0.39	-2.66
106	10200.00	2.51	180.81	100.00	10193.82	62.69	62.69	N	1.65	E	62.71	1.51	0.07	-0.01	-1.61
107	10300.00	2.36	182.22	100.00	10293.73	58.44	58.44	N	1.54	E	58.46	1.51	0.17	-0.15	1.42
108	10400.00	2.33	180.34	100.00	10393.65	54.35	54.35	N	1.45	E	54.37	1.53	0.08	-0.03	-1.88
109	10500.00	2.49	175.07	100.00	10493.56	50.16	50.16	N	1.62	E	50.18	1.85	0.27	0.16	-5.27



Company: EP Energy
Well: Spratt 3-32B4
Location: Duchesne, UT
Rig: Precision 406

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates				Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)		E/W (ft)		Distance (ft)	Direction Azimuth			
110	10600.00	2.72	177.43	100.00	10593.45	45.63	45.63	N	1.92	E	45.67	2.41	0.25	0.23	2.36
111	10700.00	2.95	177.39	100.00	10693.33	40.69	40.69	N	2.14	E	40.74	3.01	0.23	0.23	-0.05
112	10800.00	2.74	175.31	100.00	10793.21	35.73	35.73	N	2.45	E	35.81	3.93	0.23	-0.21	-2.07
113	10900.00	2.75	174.81	100.00	10893.09	30.96	30.96	N	2.87	E	31.09	5.29	0.02	0.00	-0.50
114	11000.00	2.83	175.98	100.00	10992.98	26.11	26.11	N	3.26	E	26.31	7.11	0.10	0.08	1.17
115	11100.00	2.95	177.71	100.00	11092.85	21.08	21.08	N	3.53	E	21.37	9.51	0.15	0.12	1.73
116	11200.00	3.03	176.30	100.00	11192.71	15.87	15.87	N	3.81	E	16.32	13.48	0.10	0.07	-1.40
117	11300.00	3.07	176.52	100.00	11292.57	10.56	10.56	N	4.14	E	11.35	21.39	0.05	0.05	0.22
118	11400.00	3.02	177.06	100.00	11392.43	5.26	5.26	N	4.44	E	6.88	40.16	0.06	-0.05	0.53
119	11500.00	3.00	179.86	100.00	11492.29	0.00	0.00	N	4.58	E	4.58	89.95	0.15	-0.02	2.80
120	11600.00	2.82	183.20	100.00	11592.16	-5.07	5.07	S	4.45	E	6.74	138.75	0.25	-0.19	3.34
121	11700.00	3.24	179.30	100.00	11692.02	-10.35	10.35	S	4.34	E	11.22	157.22	0.46	0.42	-3.90
122	11800.00	3.29	182.32	100.00	11791.86	-16.03	16.03	S	4.26	E	16.59	165.11	0.18	0.05	3.02
123	11900.00	3.20	180.52	100.00	11891.70	-21.68	21.68	S	4.12	E	22.07	169.24	0.13	-0.09	-1.80
124	12000.00	3.31	187.87	100.00	11991.54	-27.34	27.34	S	3.70	E	27.58	172.29	0.43	0.12	7.34
125	12100.00	3.47	186.89	100.00	12091.36	-33.20	33.20	S	2.94	E	33.33	174.93	0.16	0.15	-0.97
126	12200.00	3.42	185.40	100.00	12191.18	-39.17	39.17	S	2.30	E	39.24	176.64	0.10	-0.05	-1.49
127	12300.00	3.23	185.51	100.00	12291.02	-44.94	44.94	S	1.75	E	44.98	177.77	0.19	-0.19	0.10
128	12400.00	3.34	186.45	100.00	12390.85	-50.64	50.64	S	1.15	E	50.65	178.70	0.12	0.10	0.94
129	12500.00	3.28	187.24	100.00	12490.68	-56.37	56.37	S	0.46	E	56.37	179.53	0.08	-0.06	0.80
130	12560.00	3.39	184.83	60.00	12550.58	-59.83	59.83	S	0.10	E	59.84	179.91	0.31	0.20	-4.02
131	12810.00	3.39	184.83	250.00	12800.14	-74.58	74.58	S	1.15	W	74.59	180.88	0.00	0.00	0.00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		8. WELL NAME and NUMBER: Spratt 3-32B4
PHONE NUMBER: 713 997-5138 Ext		9. API NUMBER: 43013528890000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FSL 1000 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 32 Township: 02.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/5/2106	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: <input style="width: 100%;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see the attached recompletion procedure along with current and proposed WBD's.

Approved by the
April 26, 2016
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 4/25/2016	

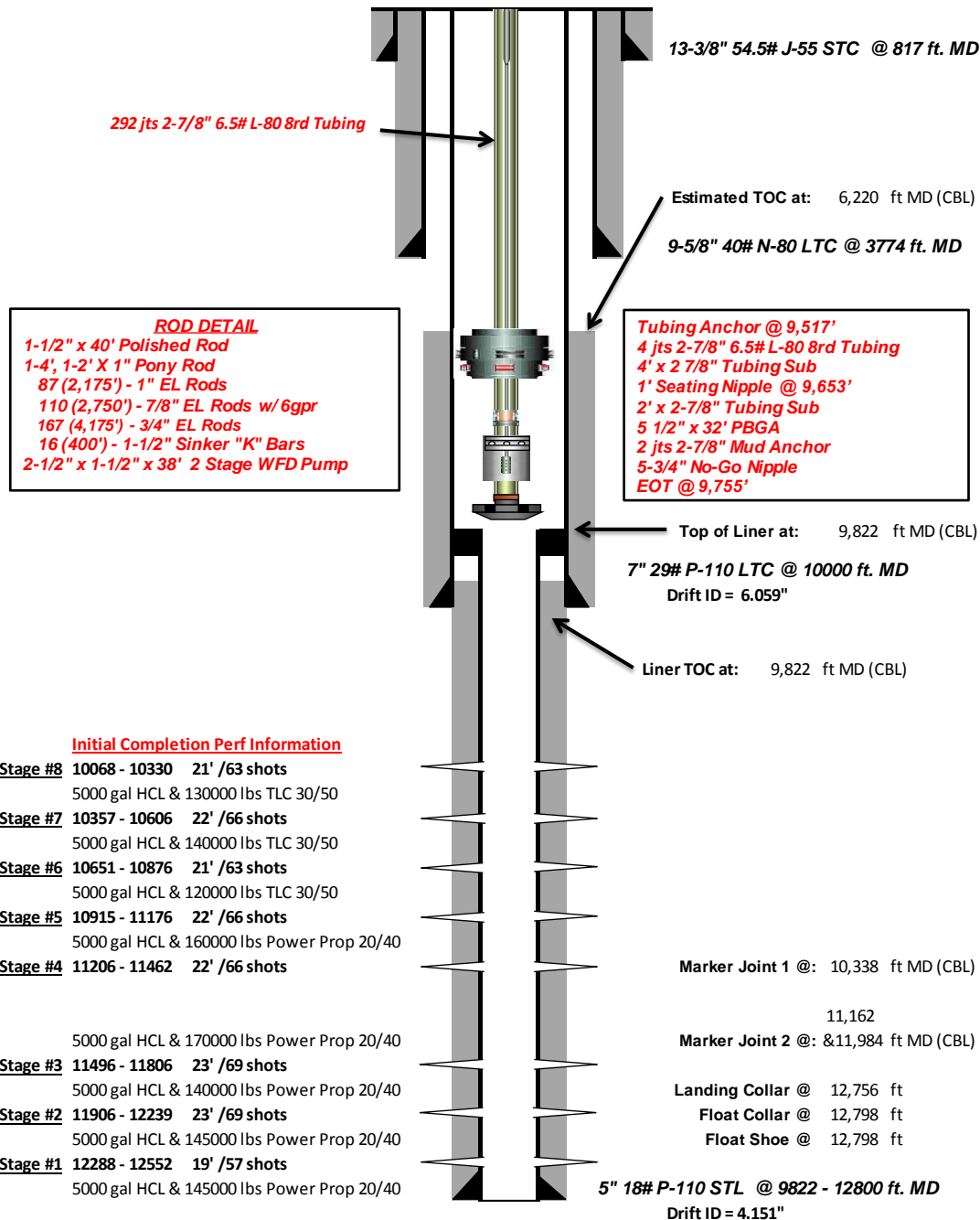
Spratt 3-32B4 Recom Summary Procedure

- POOH with co-rod, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Circulate & Clean wellbore
- Set 15k CBP for 5" 18# casing @ **10,020'** w/ 15' cement dump bailed on plug.
- Stage 1:
 - Perforate new UW interval from **9,860' – 9,940'**.
 - Prop frac perforations with with **50,000** lbs 30/50 prop (w/ **3,000** lbs 100 mesh & **8,250** gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
 - RIH with 5" CBP & set @ **9,855'**.
 - Perforate new CP70 interval from **9,740' – 9,810'**.
 - Prop Frac perforations with with **39,000** lbs 30/50 prop (w/ **3,000** lbs 100 mesh & **6,500** gals 15% HCl acid) (Stage 2 Recom).
- Stage 3:
 - RIH w/ 7" CBP & set @ **9,555'**.
 - Perforate new LGR interval from **9,460' – 9,540'**.
 - Acid frac perforations with **10,000** gals 15% HCl acid (Stage 3 Recom).
- Stage 4:
 - RIH w/ 7" CBP & set @ **9,323'**.
 - Perforate new LGR interval from **9,210' – 9,308'**.
 - Prop Frac perforations with with **54,000** lbs 30/50 prop (w/ **3,000** lbs 100 mesh & **9,000** gals 15% HCl acid) (Stage 4 Recom).
- Stage 5:
 - RIH w/ 7" CBP & set @ **9,191'**.
 - Perforate new LGR interval from **8,936' – 9,176'**.
 - Prop Frac perforations with with **132,000** lbs 30/50 prop (w/ **7,000** lbs 100 mesh & **15,000** gals 15% HCl acid) (Stage 5 Recom).
- Clean out well drilling up (3) 7" CBPs, (1) 5" CBP, leaving 5" 15k CBP @ 10,020' w/ 15' CMT. (New PBTD @ 10,005'). Top perf BELOW plugs @ 10,068'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

Current WBS:**Current Pumping Wellbore Schematic**

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch**

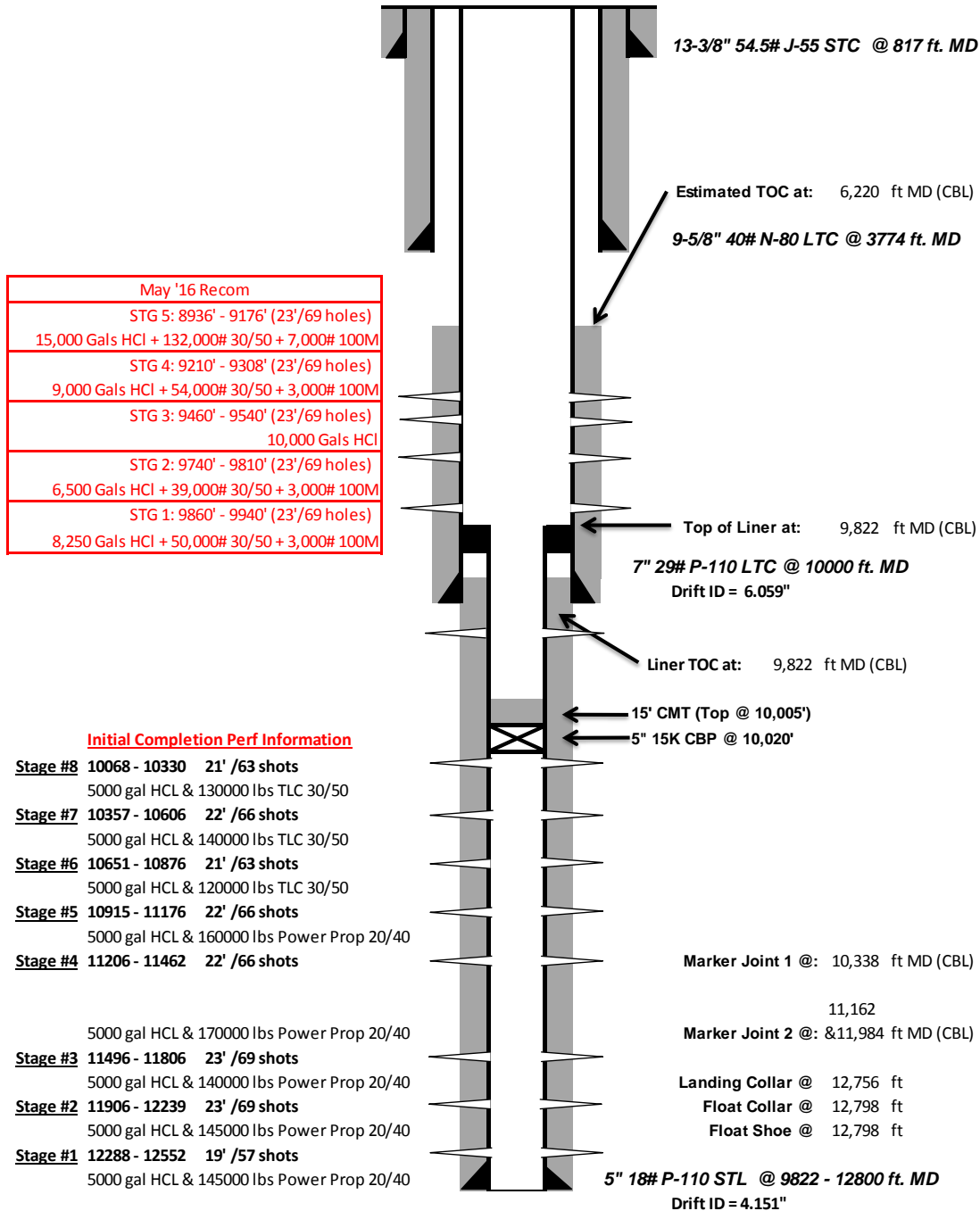
Last Updated: **4/22/2016**
 By: **Kerr**
 TD: **12,798**
 API: **43013528890000**
 AFE: **-**



Proposed WBS:**Proposed Pumping Wellbore Schematic**

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch**

Last Updated: **4/22/2016**
 By: **Kerr**
 TD: **12,798**
 API: **43013528890000**
 AFE: **-**



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Spratt 3-32B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013528890000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FSL 1000 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 32 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/31/2016	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Drill Out 1 Plug"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached the proposed procedure along with current and post WBD's.

Approved by the
 August 30, 2016
 Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 8/30/2016	

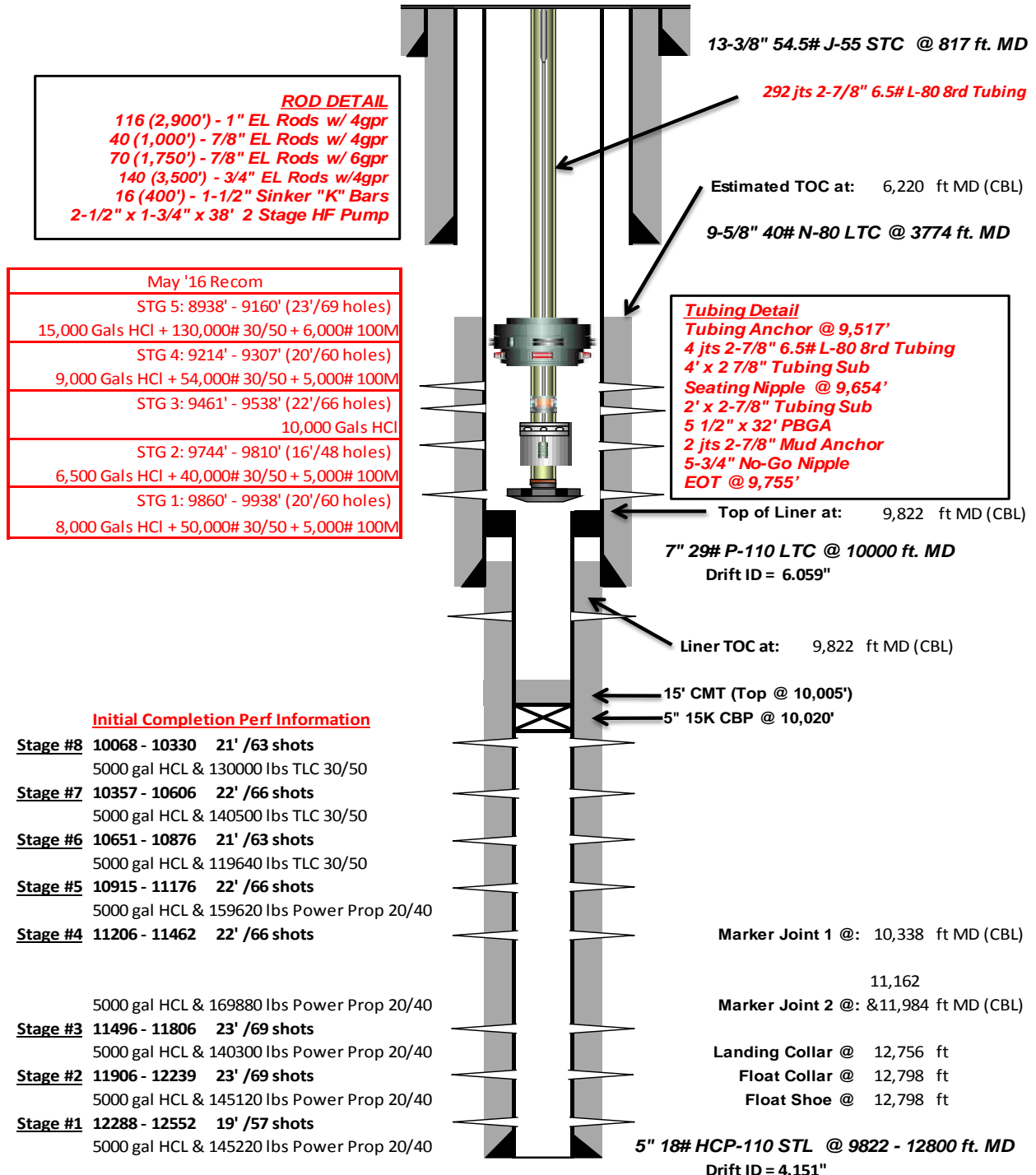
Spratt 3-32 B4 Drillout Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Pick up rock bit, tih and pump mutual solvent/HCL across 2016 Recom perfs and run in hole to drill up (1) 5" CBP @ 10,020'. Note top perf BELOW plug is @ 10,068'. Continue cleaning out well to PBTD @ 12,756'.
- Pull out of hole with work string and rock bit.
- RIH w/ production tubing and rods according to WBD.
- Clean location and resume production.

CURRENT WBD:**Current Pumping Wellbore Schematic**

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch/LGR**

Last Updated: **5/4/2016**
 By: **Fondren**
 TD: **12,798**
 API: **43013528890000**
 AFE: **-**



PROPOSED WBD:**Proposed Pumping Wellbore Schematic**

Well Name: **Spratt 3-32B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°15'33.398" N Long: 110°21'15.297" W**
 Producing Zone(s): **Upper Wasatch/LGR**

Last Updated: **8/30/2016**
 By: **Fondren/Mahoney**
 TD: **12,798**
 API: **43013528890000**
 AFE: **-**

ROD DETAIL
 116 (2,900') - 1" EL Rods w/ 4gpr
 40 (1,000') - 7/8" EL Rods w/ 4gpr
 70 (1,750') - 7/8" EL Rods w/ 6gpr
 140 (3,500') - 3/4" EL Rods w/ 4gpr
 16 (400') - 1-1/2" Sinker "K" Bars
 2-1/2" x 1-3/4" x 38' 2 Stage HF Pump

May '16 Recom
STG 5: 8938' - 9160' (23'/69 holes) 15,000 Gals HCL + 130,000# 30/50 + 6,000# 100M
STG 4: 9214' - 9307' (20'/60 holes) 9,000 Gals HCL + 54,000# 30/50 + 5,000# 100M
STG 3: 9461' - 9538' (22'/66 holes) 10,000 Gals HCL
STG 2: 9744' - 9810' (16'/48 holes) 6,500 Gals HCL + 40,000# 30/50 + 5,000# 100M
STG 1: 9860' - 9938' (20'/60 holes) 8,000 Gals HCL + 50,000# 30/50 + 5,000# 100M

Initial Completion Perf Information

Stage #8 10068 - 10330 21' /63 shots
5000 gal HCL & 130000 lbs TLC 30/50

Stage #7 10357 - 10606 22' /66 shots
5000 gal HCL & 140500 lbs TLC 30/50

Stage #6 10651 - 10876 21' /63 shots
5000 gal HCL & 119640 lbs TLC 30/50

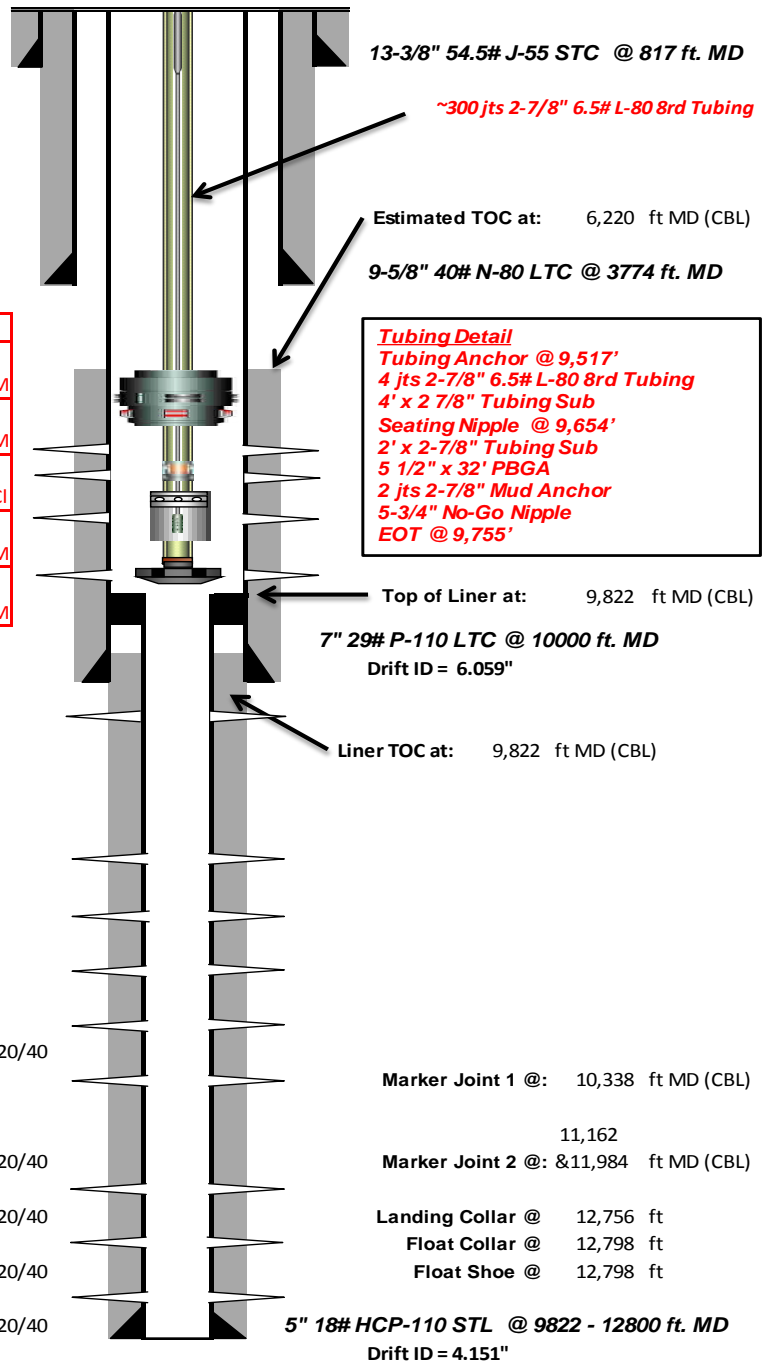
Stage #5 10915 - 11176 22' /66 shots
5000 gal HCL & 159620 lbs Power Prop 20/40

Stage #4 11206 - 11462 22' /66 shots
5000 gal HCL & 169880 lbs Power Prop 20/40

Stage #3 11496 - 11806 23' /69 shots
5000 gal HCL & 140300 lbs Power Prop 20/40

Stage #2 11906 - 12239 23' /69 shots
5000 gal HCL & 145120 lbs Power Prop 20/40

Stage #1 12288 - 12552 19' /57 shots
5000 gal HCL & 145220 lbs Power Prop 20/40



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:					
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME					
						8. WELL NAME and NUMBER:					
2. NAME OF OPERATOR:						9. API NUMBER:					
3. ADDRESS OF OPERATOR: CITY STATE ZIP					PHONE NUMBER:	10 FIELD AND POOL, OR WILDCAT					
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: U.S.B. & M.					
						12. COUNTY		13. STATE UTAH			
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):					
18. TOTAL DEPTH: MD TVD		19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)						
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
26. PRODUCING INTERVALS					27. PERFORATION RECORD						
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL									
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:			
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY			
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____					

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report

Form 8 Dated: _____

Well Name: _____

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom-MD)	Size	No. of Holes	Perf. Status

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

CENTRAL DIVISION

ALTAMONT FIELD
SPRATT 3-32B4
SPRATT 3-32B4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	SPRATT 3-32B4		
Project	ALTAMONT FIELD	Site	SPRATT 3-32B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	5/13/2016	End date	9/10/2016
Spud Date/Time	6/6/2014	UWI	SPRATT 3-32B4
Active datum	KB @6,116.2usft (above Mean Sea Level)		
Afe No./Description	166732/56764 / SPRATT 3-32B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
5/13/2016	6:00	7:00	1.00	MIRU	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON RIGGING UP RIG. FILL OUT & REVIEW JSA
	7:00	9:00	2.00	MIRU	01		P		MOVE RIG TO LOCATION & RIG UP
	9:00	10:30	1.50	WOR	14		P		ATTEMPTS TO WORK PUMP OFF SEAT FAILED
	10:30	12:30	2.00	WOR	39		P		BACK OFF ROD STRING. POOH W/88 1" RODS, 110 7/8" RODS & 1 3/4" ROD.
	12:30	16:30	4.00	WOR	16		P		OPEN CSG TO ATMOSPHERE & MONITER FOR 30 MINUTES. HOOK UP HOT OILER TO CSG VALVE & PUMP DOWN CSG ANNULUS. ND WELLHEAD. PU ON TBG. TAC WAS NOT SET. SET TBG IN SLIPS. WHILE BREAKING B-FLANGE, EUE THREADS STARTED TO GAULD. LD TOP JT 2-7/8"EUE TBG W/ B-FLANGE ATTACHED. INSTALL TBG HANGER W/ PERFORATED PUP JT BELOW TBG HANGER & LAND TBG. REMOVE HANDLING PUP JT FROM TBG HANGER. INSTALL 2 WAY CHECK VALVE IN TBG HANGER. NU & TEST FRAC VALVE & BOP. REMOVE 2 WAY CHECK VALVE.
	16:30	18:00	1.50	WOR	39		P		RU TBG SCANNING EQUIPMENT & TOO H W/ 102 JTS 2-7/8"EUE TBG.LAND TBG ON TBG HANGER (BARRIER 1), CLOSE & LOCK PIPE RAMS (BARRIER 2), TIW INSTALLED IN TBG CLOSED & LOCKED (BARRIERS 1 & 2), OFF TREATER CSG VALVE CLOSED & CAPPED & TREATER SIDE CSG VALVE OPEN TO TREATER.
5/14/2016	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON STRIPPING OUT OF HOLE. FILL OUT & REVIEW JSA
	7:00	16:00	9.00	WOR	39		P		SCAN & STRIP OUT OF HOLE W/ RODS & TBG. RD SCANNERS
	16:00	20:00	4.00	WLWORK	26		P		RU WIRE LINE UNIT & RIH W/ 4-1/8" GUAGE RING TO 10030'. RIH & SETMAGNUM 15K CBP @ 10020'. DUNMP BAIL 20' CMT ON CBP. SHUT WELL IN. CBP BARIER 1, FRAC VALVE CLOSED BARRIER 2 & BLIND RAMS CLOSED & LOCKED BARRIER 3. CSG VALVES CLOSED & CAPPED
5/15/2016	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON NIPPLING DOWN BOP. FILL OUT & REVIEW JSA
	7:00	11:30	4.50	WOR	16		P		ND BOP. NU HCR VALVE ON 7" FRAC VALVE. FILL CSG W/ 216 BBLS 2% KCL WTR. PRESSURE TEST CSG TO 8000 PSI FOR 15 MINUTES. TESTED GOOD. NU & TEST FRACSTACK TO 9500 PSI. RU FLOW BACK LINES & TEST TO 8000 PSI.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	11:30 16:30	5.00	STG01	21		P		RIH W/ 6" GUAGE RING TO 9822'. RIH & PERFORATE STAGE 1 PERFORATIONS 9860' TO 9938' USING PERFECTA DEEP PENETRATING 22 GRAM CHARGES, 3 JSPF & 120 DEGREE PHASING, WHILE HOLDING 1000 PSI ON CSG. PRESSURE DROPPED FROM 1000 PSI TO 550 PSI WHILE PERFORATING. SDFN FRAC VALVE CLOSED (BARRIER 1), HCR VALVES CLOSED (BARRIERS 2 & 3) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
5/16/2016	6:00 6:00	24.00	STG01	18		P		HEAT FRAC WTR
5/17/2016	6:00 8:00	2.00	STG01	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON RIGGING UP WIRELINE EQUIPMENT. FILL OUT & REVIEW JSA
	8:00 15:00	7.00	STG01	18		P		RU WIRELINE & FRAC EQUIPMENT
	15:00 17:30	2.50	STG01	35		P		PRESSURE TEST LINES TO 9500 PSI. SICP 405 PSI. BREAK DOWN STG 1 PERFORATIONS @ 4843 PSI PUMPING 8.7 BPM. TREAT STAGE 1 PERFORATIONS W/ 8000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 3695 PSI. FG. .81. 5 MIN SICP 3479 PSI. 10 MIN SICP 3384 PSI. 15 MIN SICP 3320 PSI. TREAT PERFORATIONS W/ 4800 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 50,600 POUNDS 30/50 WHITE SAND IN 1/2 PPG, 1PPG & 2 PPG STAGES, FLUSHING TO TOP PERF. MAX PSI 5722 PSI. MAX RATE 75.7 BPM. AVG PSI 5300 PSI. AVG RATE 69.8 BPM FINAL ISIP 4320 PSI. FINAL FG .87. 5 MIN 3830 PSI. 10 MIN 3725 PSI. 2901 BBLS FLUID TO RECOVER. SDFN
5/18/2016	6:00 8:00	2.00	STG02	21		P		RU WIRE LINE UNIT. RIH & SET CBP @ 9852'. PERFORATE STAGE 2 PERFORATIONS 9744' TO 9810' USING PERFECTA DEEP PENETRATING 22 GRAM CHARGES, 3 JSPF & 120 DEGREE PHASING. PRESSURE STAYED @ 2700 PSI WHILE PERFORATING.
	8:00 10:00	2.00	STG02	35		P		PRESSURE TEST LINES TO 9485 PSI. SICP 2554 PSI. BREAK DOWN STG 2 PERFORATIONS @ 3113 PSI PUMPING 8.4 BPM. TREAT STAGE 2 PERFORATIONS W/ 6500 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 3886 PSI. FG. .83. 5 MIN SICP 3498 PSI. 10 MIN SICP 3302 PSI. 15 MIN SICP 3210 PSI. TREAT PERFORATIONS W/ 4900 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 41,000 POUNDS 30/50 WHITE SAND IN 1/2 PPG, 1PPG & 2 PPG STAGES, FLUSHING TO TOP PERF. MAX PSI 6022 PSI. MAX RATE 75.2 BPM. AVG PSI 5664 PSI. AVG RATE 69.6 BPM FINAL ISIP 4400 PSI. FINAL FG .88. 5 MIN 3695 PSI. 10 MIN 3562 PSI. 2880 BBLS FLUID TO RECOVER. TURN WELL OVER TO WIRELINE.
	10:00 12:00	2.00	STG03	21		P		RIH & SET CBP @ 9553'. PERFORATE STAGE 3 PERFORATIONS 9461' TO 9538' USING PERFECTA DEEP PENETRATING 22 GRAM CHARGES, 3 JSPF & 120 DEGREE PHASING. PRESSUREDROPPED FROM 3100 PSI TO 1900 PSI PSI WHILE PERFORATING.
	12:00 13:00	1.00	STG03	35		P		PRESSURE TEST LINES TO 9530 PSI. SICP 1884 PSI. BREAK DOWN STG 3 PERFORATIONS @ 2583 PSI PUMPING 12.8 BPM. BRING RATE UP TO 50 BPM THEN PERFORM STEP RATE SHUT DOWN. ISIP 2309. FG .68. 5 MIN 2045 PSI. 10 MIN 1990 PSI. 15 MIN 1964 PSI. TREAT STAGE 3 PERFORATIONS W/ 10,000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 10 BBLS. ISIP 2249 PSI. FG. .67. 5 MIN SICP 2005 PSI. 10 MIN SICP 1938 PSI. MAX PSI 4407 PSI. MAX RATE 50.5 BPM. AVG PSI 3145 PSI. AVG RATE 49.3 BPM FINAL ISIP 2249 PSI. FINAL FG .67. 5 MIN 2005 PSI. 10 MIN 1938 PSI. 740 BBLS FLUID TO RECOVER. TURN WELL OVER TO WIRELINE.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	13:00 16:30	3.50	STG04	21		P		RIH & SET CBP @ 9322'. PERFORATE STAGE 4 PERFORATIONS 9214" TO 9307' USING PERFECTA DEEP PENETRATING 22 GRAM CHARGES, 3 JSPF & 120 DEGREE PHASING. AFTER SHOOTING FIRST 9 SELECTIONS 9307' UP TO 9250' PERF GUN FAILED. POOH & REPAIR BROKEN WIRE ON PERF GUN. RIH & PERF REMAING 5 SHOTS. PRESSURE DROPPED FROM 2300 PSI TO 1600 PSI PSI WHILE PERFORATING.
	15:30 20:30	5.00	STG05	21		P		RIH & SET CBP @ 9180'. PERFORATE STAGE 5 PERFORATIONS 8938' TO 9160' USING PERFECTA DEEP PENETRATING 22 GRAM CHARGES, 3 JSPF & 120 DEGREE PHASING. PRESSUREDROPPED FROM 190000 PSI TO 1800 PSI PSI WHILE PERFORATING. RD WIRE LINE EQUIPMENT. SDFN W/ FRAC VALVE & HCR VALVES CLOSED (BARRIERS 1,2,& 3) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
	16:30 15:30		STG04	35		P		PRESSURE TEST LINES TO 9508 PSI. SICP 1573 PSI. BREAK DOWN STG 4 PERFORATIONS @ 3043 PSI PUMPING 19.5 BPM. TREAT STAGE 4 PERFORATIONS W/ 9000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 2072 PSI. FG. .66. 5 MIN SICP 1911 PSI. 10 MIN SICP 1875 PSI. 15 MIN SICP 1852 PSI. TREAT PERFORATIONS W/ 5100 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 55,100 POUNDS 30/50 WHITE SAND IN 1/2 PPG, 1PPG & 2 PPG STAGES, FLUSHING TO TOP PERF. MAX PSI 3577 PSI. MAX RATE 75.2 BPM. AVG PSI 3362 PSI. AVG RATE 75 BPM FINAL ISIP 2397 PSI. FINAL FG .69. 5 MIN 2131 PSI. 10 MIN 2074 PSI. 2778 BBLS FLUID TO RECOVER. TURN WELL OVER TO WIRELINE.
5/19/2016	6:00 7:00	1.00	STG05	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON FRAC SAFETY. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	STG05	18		P		START EQUIPMENT & PREP TO FRAC
	9:00 11:00	2.00	STG05	35		P		PRESSURE TEST LINES TO 9485 PSI. SICP 1606 PSI. BREAK DOWN STG 5 PERFORATIONS @ 2296 PSI PUMPING 8.7 BPM. TREAT STAGE 5 PERFORATIONS W/ 15000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 2077 PSI. FG. .663. 5 MIN SICP 1974 PSI. 10 MIN SICP 1888 PSI. 15 MIN SICP 1822 PSI. TREAT PERFORATIONS W/ 6680 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 127420 POUNDS 30/50 WHITE SAND IN 1/2 PPG, 1PPG, 1.5 PPG 2 PPG & 3 PPG STAGES, FLUSHING TO TOP PERF. MAX PSI 3626 PSI. MAX RATE 76.6 BPM. AVG PSI 3229 PSI. AVG RATE 74.9 BPM FINAL ISIP 2510 PSI. FINAL FG .711. 5 MIN 2316 PSI. 10 MIN 2203 PSI. 3949 BBLS FLUID TO RECOVER. SHUT WELL IN
	11:00 14:00	3.00	STG05	18		P		RD FRAC EQUIPMENT. ND FRAC STACK LEAVING FRAC VALE & BOTTOM HCR VALVE ON WELL (BARRIERS 1 & 2).
	14:00 6:00	16.00	FB	19		P		OPEN WELL TO FLOW BACK TANK 1750 PSI ON A 12/64" CHOKE
5/20/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL. RECOVERED 48 BBLS OIL, 930 BBLS WTR W/ GAS FLAIRING. PSI @ REPORT TIME 800 PSI ON A 12/64" CHOKE
5/21/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL TO PRODUCTION FACILITY. RECOVERED 134 BBLS OIL, 812 BBLS WTR W/ GAS FLAIRING. 550 PSI ON A 12/64" CHOKE
5/22/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL TO PRODUCTION FACILITY. RECOVERED 187 BBLS OIL, 639 BBLS WTR W/ GAS FLAIRING. 300 PSI ON A 14/64" CHOKE

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
5/23/2016	6:00	6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA.
	6:30	6:00	23.50	FB	19		P		FLOW WELL TO PRODUCTION FACILITY. RECOVERED 178 BBLS OIL, 432 BBLS WTR W/ GAS FLAIRING. 100 PSI ON A 64/64" CHOKE
5/24/2016	6:00	8:00	2.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON KILLING WELL. FILL OUT & REVIEW JSA.
	8:00	11:00	3.00	WOR	15		P		OPEN WELL TO FLOW BACK TANK & BLEED PSI FROM 100 PSI TO 10 PSI. KILL WELL W/ 233 BBLS 10 PPG BRINE WTR.
	11:00	14:00	3.00	WOR	16		P		ND LOWER HCR VALVE (BARRIER 1 7" FRAC VALVE, BARRIER 2 233 BBLS 10 PPG BRINE WTR). NU & TEST DOUBLE PIPE RAM BOP
	14:00	17:30	3.50	WOR	39		P		TIH W/ 6" BIT, BIT SUB, 2 JTS 2-7/8"EUE TBG, SEAT NIPPLE & 230 JTS 2-7/8"EUE TBG, CHANGING 26 TBG COLLARS THAT WERE WORN FLAT ON ONE SIDE DUE TO TAC BEING RELEASED FOR A LONG PERIOD OF TIME. PU 42 JTS NEW 2-7/8"EUE TBG. SDFN W/ EOT @ 8929
5/25/2016	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON OPERATIONS FOR THE DAY. FILL OUT & REVIEW JSA
	7:00	9:00	2.00	WOR	15		P		SICP 500 PSI. SICP 700 PSI. OPEN CSG TO FLOW BACK TANK. PUMP 10 BBLS 10 PPG BRINE WTR DOWN TBG. PU 7 JTS 2-7/8"EUE TBG. TAG SAND @ 9162'
	9:00	20:30	11.50	WOR	10		P		RU POWER SWIVEL. BREAK REVERSE CIRCULATION. CLEAN OUT SAND TO CBP SET @ 9180' (9182' TBG MEASUREMENT. DRILL CBP & CIRCULATE CLEAN. KILL TBG. RIH & TAG SAND @ 9307'. DRILL CBP REMAINS & CLEAN OUT SAND TO CBP SET @ 9322' (9326' TBG MEASUREMENT). DRILL CBP SWITCHING TO CONVENTIONAL AS NEEDED TO KEEP BIT FROM PLUGGING. CIRCULATE CLEAN. KILL TBG. RIH & TAG SAND @ 9537'. DRILL CBP REMAINS & CLEAN OUT SAND TO CBP SET @ 9553' (9559' TBG MEASUREMENT. DRILL CBP. HAD TO CIRCULATE CONVENTIONAL TO KEEP BIT FROM PLUGGING. SWITCH CIRCULATION TO REVERSE AFTER CBP WAS DRILLED & CIRCULATE WELL CLEAN. KILL TBG. RD POWER SWIVEL. TOO H W/ 12 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIERS 1 & 2) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
5/26/2016	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00	8:00	1.00	WOR	18		P		SITP 250 PSI. SICP 650 PSI. OPEN CSG TO FLOW BACK TANK. PUMP 20 BBLS 10 PPG BRINE WTR DOWN TBG. TIH W/ 44 JTS 2-7/8"EUE TBG. TAG @ 9822'.
	8:00	11:30	3.50	WOR	10		P		RU POWER SWIVEL. DRILL DOWN TO LINER TOP @ 9827' TBG MEASUREMENT. CIRCULATE CLEAN. KILL TBG W/ 20 BBLS 10 PPG BRINE WTR. TOO H TO 8840'.
	11:30	14:00	2.50	WOR	15		P		CIRCULATE WELL DEAD W/ 320 BBLS 10 PPG BRINE WTR
	14:00	17:30	3.50	WOR	39		P		TOOH W/ 6" OD BIT. TIH W/ 4-1/8"OD BIT, BIT SUB, 7 JTS 2-3/8"EUE TBG, X-OVER & 262 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIERS 1 & 2) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
5/27/2016	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON WELL OPERATIONS FOR THE DAY. FILL OUT & REVIEW JSA
	7:00	7:30	0.50	WOR	15		P		SICP 250 PSI. SITP 200 PSI. OPEN CSG TO FLOW BACK TANK. KILL TBG W/ 20 BBLS 10 PPG .
	7:30	8:30	1.00	WOR	39		P		TIH W/ 32 JTS 2-7/8"EUE TBG. TAG SAND @ 9827'.
	8:30	14:00	5.50	WOR	10		P		RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CLEAN OUT SAND TO CBP SET @ 9852'. DRILL CBP & CLEAN OUT SAND FROM 9974' TO CMT @ 10002'. CIRCULATE WELL DEAD W/ 345 BBLS 10 PPG BRINE WTR. RD POWER SWIVEL

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
5/28/2016	14:00 15:30	1.50	WOR	39		P		TOOH W/ 128 JTS 2-7/8"EUE TBG. ANNULUS STARTED FLOWING.
	15:30 17:00	1.50	WOR	18		P		SHUT WELL IN W/ DOUBLE PIPE RAMS CLOSED & LOCKED (BARRIERS 1 & 2), & DOUBLE CASING VALVES CLOSED (BARRIERS 1 & 2). RU FLOW LINE TO TBG.
	17:00 6:00	13.00	FB	19		P		TURN WELL OVER TO FLOW BACK CREW
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON OPERATIONS FOR DAY. FILL OUT & REVIEW JSA
	7:00 11:00	4.00	WOR	15		P		SICP 450 PSI. FLOWING TBG PRESSURE 250 PSI. PUMP 45 BBLS 10 PPG BRINE WTR. TIH TO 8926'. CIRCULATE WELL DEAD W/ 380 BBLS 10 PPG BRINE WTR
	11:00 16:00	5.00	WOR	39		P		TOOH W/ 266 JTS 2-7/8"EUE TBG, SEAT NIPPLE, 2 JTS 2-7/8"EUE TBG, X-OVER, 7 JTS2-3/8"EUE TBG, BIT SUB & BIT. TIH W/ 5-3/4"OD NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 291 JTS 2-7/8"EUE TBG. SET TAC & 9515' IN 20K TENSION. SN @ 9652'. EOT @ 9754'. LAND TBG ON TBG HANGER W/ 4' PUP JT BELOW TBG HANGER
5/29/2016	16:00 17:30	1.50	WOR	16		P		ND BOP & FRAC VALVE. PU ON TBG & REMOVE HANGER & 4' PUP JT. LAND TBG IN 20 K TENSION. NU WELL HEAD. SHUT WELL IN W/ TIW VALVE CLOSED & CAPPED (BARRIERS 1 & 2), FLOW LINE HOOKED UP TO TREATER SIDE TREATER W/ VALVES CLOSED & OFF SIDE CSG VALVE CLOSED & CAPPED
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPOERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	06		P		SICP 350 PSI. SITP 0 PSI. OPOEN CSG TO TREATER. FLUSH TBG W/ 60 BBLS 2% BRINE WTR. KILL TBG W/ 55 BBLS 10 PPG BRINE WTR W/ ROD CHEMICAL @ END OF KILL FLUID.
	9:00 12:30	3.50	WOR	39		P		PU & PRIME 2-1/2" X 1-3/4" PUMP, 16 WEIGHT RODS, 140 3/4" RODS (8 NEW), 110 7/8" RODS 3 NEW & 115 1" RODS (32 NEW). SPACE OUT W/ 8', 6', 4' & 2' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. FILL TBG W/ 5 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD.
	12:30 14:00	1.50	WOR	18		P		RD RIG. SLIDE PUMPING UNIT.
	14:00 16:30	2.50	WOR	18		P		WHLE SLIDING PUMPING UNIT, NEEDLE VALVE ON CHEMICAL CAP STRING CAUGHT ON CABLE BRIDLE THAT WAS BEING USED TO MOVE PUMPING UNIT INTO PLACE. THE 1/2" NIPPLE THAT IS SCREWED INTO B FLANGE BROKE. HOOK UP HOT OILER & RIG PUMP TO CSG & PUMP DOWN CSG UNTIL PRESSURE ON CSG DROPPED ENOUGH TO REMOVE CAPSTRING & BROKEN NIPPLE & NEW NIPPLE & VALVE INSTALLED, TURN WELL OVER TO LEASE OPERATOR
9/1/2016	6:00 7:30	1.50	MIRU	28		P		CREW TRAVEL HELD SAFETY MEETING ON SLIDING ROTA-FLEX. FILLED OUT AND REVIEWED JSA.
	7:30 8:30	1.00	MIRU	01		P		SLID BACK ROTA-FLEX. MIRU SERVICE RIG WHILE PUMPING 60 BBLS DOWN CSG.
	8:30 11:00	2.50	WOR	14		P		LD POLISH ROD. PUMPED 280 BBLS WHILE TRYING TO UNSEAT PUMP. UNSUCCESSFUL. .
	11:00 12:00	1.00	WOR	39		P		BACKED OFF RODS. TOOH W/ 116-1" AND 1-7/8" ROD.
	12:00 15:00	3.00	WOR	16		P		ND WELLHEAD, NU AND TESTED BOP AND ANNULAR.
	15:00 19:00	4.00	WOR	39		P		ATTEMPTS TO RELEASE TAC FAILED. RU POWER SWIVEL, RELEASED TAC, SWIVELED 10-JTS 2 7/8 L-80 EUE TBG OUT. TAC STILL HANGING UP. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/2/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON STRIPPING RODS. FILLED OUT AND REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 14:30	7.00	WOR	39		P		0 TSIP, 200 CSIP BLED DOWN WELL. TAC STILL DRAGGING. RU POWER SWIVEL AS NEEDED TOOH W/ 80-JTS 2 7/8 L-80 EUE TBG, TO RODS @ 2925'.
	14:30 16:30	2.00	WOR	39		P		CHANGED OVER TO PULL RODS. BACKED OFF RODS TOOH W/ 109-7/8" AND 22-3/4" ~3275'
	16:30 19:30	3.00	WOR	39		P		RU POWER SWIVEL AS NEEDED TOOH W/ 61-JTS 2 7/8 L-80 EUE TBG, TAC @ 4564'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/3/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING WET STRING. FILLED OUT AND REVIEWED JSA.
	7:30 8:30	1.00	WOR	39		P		0 TSIP 125 CSIP. BLED DOWN WELL. TOOH W/ 40-JTS 2 7/8 L-80 EUE TBG. TO RODS. CHANGE OVER TO PULL RODS.
	8:30 10:00	1.50	WOR	39		P		BACKED OFF RODS. TOOH W/ 122-3/4" AND 16-1 1/2 K-BARS.
	10:00 13:00	3.00	WOR	39		P		CHANGED OVER TO PULL TBG, TOOH W/ 100-JTS 2 7/8 L-80 EUE TBG, 7" TAC, 4-JTS 2 7/8 L-80 EUE TBG AND BHA. BTM MUD JT WAS FULL OF SAND. WASHED UP WITH HOT OILER.
	13:00 16:30	3.50	WOR	39		P		TALLIED AND RIH W/ 4 1/8 ROCK BIT, BIT SUB, 99-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 177-JTS 2 7/8 L-80 EU TBG. EOT @ 8897'.
	16:30 19:30	3.00	WOR	35		P		RU WEATHERFORD PUMP TRUCK. PRESSURE TEST LINES @ 6500 PSI. PUMPED 75 GALS MUTUAL SOLVENT, 2 BBLS 2% KCL, 7500 GALS 15% HCL, 65 BBLS 2% KCL, 55 GALS SCALE INHIBITOR, 65 BBLS 2% KCL @ 7 BPM 250 PSI. ISIP 0. RAN LINE TO CSG PUMPED 200 BBLS 2% KCL DOWN CSG @ 10 BPM 340 PSI. ISIP 0. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/4/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/5/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/6/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/7/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30 9:30	2.00	WOR	39		P		650 TSIP 650 CSIP. BLED DOWN WELL RIH W/ 48- JTS 2 7/8 L-80 EUE TBG. TAGGED FILL @ 9998' (TTL 99-JTS 2 3/8 AND 211-JTS 2 7/8), RU POWER SWIVEL
	9:30 19:30	10.00	WOR	10		P		RU POWER SWIVEL PUMPED 978 BBLS 2% KCL DOWN CSG @ 8 BPM. BREAK CIRCULATE PUMPING 8 BPM AND RETURNING 1 BPM. WASHED SAND AND DRILLED CEMNET TO CBP SET @ 10020' (10030' TBG TALLY) DRILLED OUT CBP CIRCULATE TBG CLEAN. RACKED OUT POWER SWIVEL. CONTINUED RIH W/ 23- TAGGED 10' OUT JT # 236 @ 10817' RU POWER SWIVEL. PUMPED 200 BBLS @ 8 BPM BREAK CIRCULATION RETURNING 2 BPM. DRILLED FOR 3 1/2 HRS MADE NO HOLE, POWER SWIVEL WOULD TORQUE UP WITH 1K OR 2K SETTING DOWN. KICK POWER SWIVEL OUT SET 12K DOWN TAKE 20K PULL OVER. SHOWING A LITTLE SAND AND METAL IN RETURNS. CIRCULATE TBG CLEAN RD POWER SWIVEL. TOOH W/ 37 JTS 2 7/8 L-80 EUE TBG EOT @ 9645'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/8/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 10:30	3.00	WOR	39		P		0 TSIP, 0 CSIP. OPENED WELL RIH W/ 37-JTS L-80 EUE TBG. TAGGED @ 10817'. WAS ABLE TO PUSH THRU TIGHT SPOT @ 10817' SETTING 12K DOWN. RAN IN TO 10837'. PULLED 20K OVER TO GET UP. WORKED IT THRU TIGHT SPOT THREE TIMES. RU POWER SWIVEL UNABLE TO SWIVEL THRU TIGHT SPOT, STARTED DRAGGING UP HOLE. UNABLE TO PUSH THRU TIGHT SPOT, RD POWER SWIVEL. TOO H W/ 37 JTS 2 7/8. RU SCANNERS.
	10:30 17:30	7.00	WOR	39		P		SCANNED OUT W/ 100-JTS 2 7/8 L-80 EUE TBG ALL YELLOW, RIH W/ 87-JTS 2 7/8 L-80 EUE TBG, SCANNED OUT W/ 194 JTS 2 7/8 L-80 EUE TBG, 184-YELLOW, 7-BLUE AND 3-RED. LD 99-JTS 2 3/8 L-80 EUE TBG, BIT SUB AND BIT. CLOSED IN WELL. CSG BARRIER 1 BLIND RAMS, BARRIER 2 FLUID, CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/9/2016	6:00 7:30	1.50	WLWORK	28		P		CREW TRAVEL HELD SAFETY MEETING ON WIRELINE SAFETY. FILLED OUT AND REVIEWED JSA..
	7:30 12:00	4.50	WLWORK	18		P		RU WIRELINE. RIH W/ CCL AND 1 11/16 WEIGHT BARS. TAGGED @ 10798'. WORKED IT SEVERAL TIMES. UNABLE TO GET DOWN. PULLED OUT, RIH W/ 3 7/8" IMPRESSION BLOCK SET DOWN @ 10798'. PULLED OUT RD WIRELINE.
	12:00 14:30	2.50	WOR	44		P		WAIT ON ORDERS.
	14:30 18:30	4.00	WOR	39		P		RIH W/ 5 3/4" NO-GO, 2-JTS 2 7/8 L-80 EUE TBG, 5 1/2" PBGA, 2'-2 7/8 N-80 EUE TBG SUB, SN, 4' 2 7/8 N-80 EUE TBG SUB. RU HYDRO TESTER, RIH HYDRO TESTING @ 8500 PSI W/ 4-JTS 2 7/8 L-80 EUE TBG, 7" KLX TAC AND 196-JTS 2 7/8 L-80 EUE TBG FOUND NO LEAKS. EOT @ 6567'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/10/2016	6:00 7:30	1.50	WOR	28		P		CT TGSM AND JSA (HYDRO TESTING PROCEDURES)
	7:30 11:00	3.50	INSTUB	39		P		BWD, CIH HYDRO TESTING 82 JTS 2 7/8", RD TESTERS, CIH W/ 13 NEW JTS, PU SUB AND HANGER, SET TAC, TEMPORARY LAND TUBING. RD WORK FLOOR & ND BOPS AND HYDRILL, RE LAND TUBING W/ 25K TENSION @ 9517', PSN @ 9653, & EOT @ 9754'. NU WELL HEAD, MU PUMP "T" AND FLOW LINES. FLUSH TBG W/ KCL AND 10 GAL SCALE INHIBITOR.
	11:00 19:30	8.50	INARTLT	39		P		PU STROKE TEST MU & RIH W/ 2 1/2" X 1 3/4" X 37' ACCELERATED RHBC, 16 1 1/2" WT BARS, CIH CHECKING CONNECTIONS. 140 3/4", (TOP 6 NEW) 110 7/8" (TOP 4 NEW) 115 1" (TOP 1 NEW) SPACE OUT W/ 8,6,4,2 X 1" PONIES AND 1 1/2" X 40' P ROD. FILL W/ 20 BBLS, STROKE TEST TO 1000 PSI GOOD TEST (PUMP) W/ GOOD PUMP ACTION (STUFFING BOX O RING WOULD NOT HOLD REPLACE O RIND) RE TESTED GOOD. RD SLIDE UNIT, NO TAG TOTP.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Spratt 3-32B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013528890000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FSL 1000 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 32 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/9/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="DO Plug"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP acidized with 7500 gals 15% HCL and drilled out CBP @ 10020'. Open perfs: 8938'-9938' (2016 Recom) & 10068'-12552' (Initial Completion).
See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 19, 2016

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5138	TITLE Consultant
SIGNATURE N/A		DATE 10/10/2016

CENTRAL DIVISION

ALTAMONT FIELD
SPRATT 3-32B4
SPRATT 3-32B4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
5/28/2016	14:00 15:30	1.50	WOR	39		P		TOOH W/ 128 JTS 2-7/8"EUE TBG. ANNULUS STARTED FLOWING.
	15:30 17:00	1.50	WOR	18		P		SHUT WELL IN W/ DOUBLE PIPE RAMS CLOSED & LOCKED (BARRIERS 1 & 2), & DOUBLE CASING VALVES CLOSED (BARRIERS 1 & 2). RU FLOW LINE TO TBG.
	17:00 6:00	13.00	FB	19		P		TURN WELL OVER TO FLOW BACK CREW
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON OPERATIONS FOR DAY. FILL OUT & REVIEW JSA
	7:00 11:00	4.00	WOR	15		P		SICP 450 PSI. FLOWING TBG PRESSURE 250 PSI. PUMP 45 BBLS 10 PPG BRINE WTR. TIH TO 8926'. CIRCULATE WELL DEAD W/ 380 BBLS 10 PPG BRINE WTR
	11:00 16:00	5.00	WOR	39		P		TOOH W/ 266 JTS 2-7/8"EUE TBG, SEAT NIPPLE, 2 JTS 2-7/8"EUE TBG, X-OVER, 7 JTS2-3/8"EUE TBG, BIT SUB & BIT. TIH W/ 5-3/4"OD NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 291 JTS 2-7/8"EUE TBG. SET TAC & 9515' IN 20K TENSION. SN @ 9652'. EOT @ 9754'. LAND TBG ON TBG HANGER W/ 4' PUP JT BELOW TBG HANGER
5/29/2016	16:00 17:30	1.50	WOR	16		P		ND BOP & FRAC VALVE. PU ON TBG & REMOVE HANGER & 4' PUP JT. LAND TBG IN 20 K TENSION. NU WELL HEAD. SHUT WELL IN W/ TIW VALVE CLOSED & CAPPED (BARRIERS 1 & 2), FLOW LINE HOOKED UP TO TREATER SIDE TREATER W/ VALVES CLOSED & OFF SIDE CSG VALVE CLOSED & CAPPED
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPOERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	06		P		SICP 350 PSI. SITP 0 PSI. OPOEN CSG TO TREATER. FLUSH TBG W/ 60 BBLS 2% BRINE WTR. KILL TBG W/ 55 BBLS 10 PPG BRINE WTR W/ ROD CHEMICAL @ END OF KILL FLUID.
	9:00 12:30	3.50	WOR	39		P		PU & PRIME 2-1/2" X 1-3/4" PUMP, 16 WEIGHT RODS, 140 3/4" RODS (8 NEW), 110 7/8" RODS 3 NEW & 115 1" RODS (32 NEW). SPACE OUT W/ 8', 6', 4' & 2' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. FILL TBG W/ 5 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD.
	12:30 14:00	1.50	WOR	18		P		RD RIG. SLIDE PUMPING UNIT.
	14:00 16:30	2.50	WOR	18		P		WHLE SLIDING PUMPING UNIT, NEEDLE VALVE ON CHEMICAL CAP STRING CAUGHT ON CABLE BRIDLE THAT WAS BEING USED TO MOVE PUMPING UNIT INTO PLACE. THE 1/2" NIPPLE THAT IS SCREWED INTO B FLANGE BROKE. HOOK UP HOT OILER & RIG PUMP TO CSG & PUMP DOWN CSG UNTIL PRESSURE ON CSG DROPPED ENOUGH TO REMOVE CAPSTRING & BROKEN NIPPLE & NEW NIPPLE & VALVE INSTALLED, TURN WELL OVER TO LEASE OPERATOR
9/1/2016	6:00 7:30	1.50	MIRU	28		P		CREW TRAVEL HELD SAFETY MEETING ON SLIDING ROTA-FLEX. FILLED OUT AND REVIEWED JSA.
	7:30 8:30	1.00	MIRU	01		P		SLID BACK ROTA-FLEX. MIRU SERVICE RIG WHILE PUMPING 60 BBLS DOWN CSG.
	8:30 11:00	2.50	WOR	14		P		LD POLISH ROD. PUMPED 280 BBLS WHILE TRYING TO UNSEAT PUMP. UNSUCCESSFUL. .
	11:00 12:00	1.00	WOR	39		P		BACKED OFF RODS. TOOH W/ 116-1" AND 1-7/8" ROD.
	12:00 15:00	3.00	WOR	16		P		ND WELLHEAD, NU AND TESTED BOP AND ANNULAR.
	15:00 19:00	4.00	WOR	39		P		ATTEMPTS TO RELEASE TAC FAILED. RU POWER SWIVEL, RELEASED TAC, SWIVELED 10-JTS 2 7/8 L-80 EUE TBG OUT. TAC STILL HANGING UP. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/2/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON STRIPPING RODS. FILLED OUT AND REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 14:30	7.00	WOR	39		P		0 TSIP, 200 CSIP BLED DOWN WELL. TAC STILL DRAGGING. RU POWER SWIVEL AS NEEDED TOOH W/ 80-JTS 2 7/8 L-80 EUE TBG, TO RODS @ 2925'.
	14:30 16:30	2.00	WOR	39		P		CHANGED OVER TO PULL RODS. BACKED OFF RODS TOOH W/ 109-7/8" AND 22-3/4" ~3275'
	16:30 19:30	3.00	WOR	39		P		RU POWER SWIVEL AS NEEDED TOOH W/ 61-JTS 2 7/8 L-80 EUE TBG, TAC @ 4564'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/3/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING WET STRING. FILLED OUT AND REVIEWED JSA.
	7:30 8:30	1.00	WOR	39		P		0 TSIP 125 CSIP. BLED DOWN WELL. TOOH W/ 40-JTS 2 7/8 L-80 EUE TBG. TO RODS. CHANGE OVER TO PULL RODS.
	8:30 10:00	1.50	WOR	39		P		BACKED OFF RODS. TOOH W/ 122-3/4" AND 16-1 1/2 K-BARS.
	10:00 13:00	3.00	WOR	39		P		CHANGED OVER TO PULL TBG, TOOH W/ 100-JTS 2 7/8 L-80 EUE TBG, 7" TAC, 4-JTS 2 7/8 L-80 EUE TBG AND BHA. BTM MUD JT WAS FULL OF SAND. WASHED UP WITH HOT OILER.
	13:00 16:30	3.50	WOR	39		P		TALLIED AND RIH W/ 4 1/8 ROCK BIT, BIT SUB, 99-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 177-JTS 2 7/8 L-80 EU TBG. EOT @ 8897'.
	16:30 19:30	3.00	WOR	35		P		RU WEATHERFORD PUMP TRUCK. PRESSURE TEST LINES @ 6500 PSI. PUMPED 75 GALS MUTUAL SOLVENT, 2 BBLS 2% KCL, 7500 GALS 15% HCL, 65 BBLS 2% KCL, 55 GALS SCALE INHIBITOR, 65 BBLS 2% KCL @ 7 BPM 250 PSI. ISIP 0. RAN LINE TO CSG PUMPED 200 BBLS 2% KCL DOWN CSG @ 10 BPM 340 PSI. ISIP 0. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/4/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/5/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/6/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
9/7/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30 9:30	2.00	WOR	39		P		650 TSIP 650 CSIP. BLED DOWN WELL RIH W/ 48- JTS 2 7/8 L-80 EUE TBG. TAGGED FILL @ 9998' (TTL 99-JTS 2 3/8 AND 211-JTS 2 7/8), RU POWER SWIVEL
	9:30 19:30	10.00	WOR	10		P		RU POWER SWIVEL PUMPED 978 BBLS 2% KCL DOWN CSG @ 8 BPM. BREAK CIRCULATE PUMPING 8 BPM AND RETURNING 1 BPM. WASHED SAND AND DRILLED CEMNET TO CBP SET @ 10020' (10030' TBG TALLY) DRILLED OUT CBP CIRCULATE TBG CLEAN. RACKED OUT POWER SWIVEL. CONTINUED RIH W/ 23- TAGGED 10' OUT JT # 236 @ 10817' RU POWER SWIVEL. PUMPED 200 BBLS @ 8 BPM BREAK CIRCULATION RETURNING 2 BPM. DRILLED FOR 3 1/2 HRS MADE NO HOLE, POWER SWIVEL WOULD TORQUE UP WITH 1K OR 2K SETTING DOWN. KICK POWER SWIVEL OUT SET 12K DOWN TAKE 20K PULL OVER. SHOWING A LITTLE SAND AND METAL IN RETURNS. CIRCULATE TBG CLEAN RD POWER SWIVEL. TOOH W/ 37 JTS 2 7/8 L-80 EUE TBG EOT @ 9645'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/8/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 10:30	3.00	WOR	39		P		0 TSIP, 0 CSIP. OPENED WELL RIH W/ 37-JTS L-80 EUE TBG. TAGGED @ 10817'. WAS ABLE TO PUSH THRU TIGHT SPOT @ 10817' SETTING 12K DOWN. RAN IN TO 10837'. PULLED 20K OVER TO GET UP. WORKED IT THRU TIGHT SPOT THREE TIMES. RU POWER SWIVEL UNABLE TO SWIVEL THRU TIGHT SPOT, STARTED DRAGGING UP HOLE. UNABLE TO PUSH THRU TIGHT SPOT, RD POWER SWIVEL. TOO H W/ 37 JTS 2 7/8. RU SCANNERS.
	10:30 17:30	7.00	WOR	39		P		SCANNED OUT W/ 100-JTS 2 7/8 L-80 EUE TBG ALL YELLOW, RIH W/ 87-JTS 2 7/8 L-80 EUE TBG, SCANNED OUT W/ 194 JTS 2 7/8 L-80 EUE TBG, 184-YELLOW, 7-BLUE AND 3-RED. LD 99-JTS 2 3/8 L-80 EUE TBG, BIT SUB AND BIT. CLOSED IN WELL. CSG BARRIER 1 BLIND RAMS, BARRIER 2 FLUID, CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/9/2016	6:00 7:30	1.50	WLWORK	28		P		CREW TRAVEL HELD SAFETY MEETING ON WIRELINE SAFETY. FILLED OUT AND REVIEWED JSA..
	7:30 12:00	4.50	WLWORK	18		P		RU WIRELINE. RIH W/ CCL AND 1 11/16 WEIGHT BARS. TAGGED @ 10798'. WORKED IT SEVERAL TIMES. UNABLE TO GET DOWN. PULLED OUT, RIH W/ 3 7/8" IMPRESSION BLOCK SET DOWN @ 10798'. PULLED OUT RD WIRELINE.
	12:00 14:30	2.50	WOR	44		P		WAIT ON ORDERS.
	14:30 18:30	4.00	WOR	39		P		RIH W/ 5 3/4" NO-GO, 2-JTS 2 7/8 L-80 EUE TBG, 5 1/2" PBGA, 2'-2 7/8 N-80 EUE TBG SUB, SN, 4' 2 7/8 N-80 EUE TBG SUB. RU HYDRO TESTER, RIH HYDRO TESTING @ 8500 PSI W/ 4-JTS 2 7/8 L-80 EUE TBG, 7" KLX TAC AND 196-JTS 2 7/8 L-80 EUE TBG FOUND NO LEAKS. EOT @ 6567'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
	6:00 7:30	1.50	WOR	28		P		CT TGSM AND JSA (HYDRO TESTING PROCEDURES)
9/10/2016	7:30 11:00	3.50	INSTUB	39		P		BWD, CIH HYDRO TESTING 82 JTS 2 7/8", RD TESTERS, CIH W/ 13 NEW JTS, PU SUB AND HANGER, SET TAC, TEMPORARY LAND TUBING. RD WORK FLOOR & ND BOPS AND HYDRILL, RE LAND TUBING W/ 25K TENSION @ 9517', PSN @ 9653, & EOT @ 9754'. NU WELL HEAD, MU PUMP "T" AND FLOW LINES. FLUSH TBG W/ KCL AND 10 GAL SCALE INHIBITOR.
	11:00 19:30	8.50	INARTLT	39		P		PU STROKE TEST MU & RIH W/ 2 1/2" X 1 3/4" X 37' ACCELERATED RHBC, 16 1 1/2" WT BARS, CIH CHECKING CONNECTIONS. 140 3/4", (TOP 6 NEW) 110 7/8" (TOP 4 NEW) 115 1" (TOP 1 NEW) SPACE OUT W/ 8,6,4,2 X 1" PONIES AND 1 1/2" X 40' P ROD. FILL W/ 20 BBLS, STROKE TEST TO 1000 PSI GOOD TEST (PUMP) W/ GOOD PUMP ACTION (STUFFING BOX O RING WOULD NOT HOLD REPLACE O RIND) RE TESTED GOOD. RD SLIDE UNIT, NO TAG TOTP.